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GROUNDWATER MONITORING
DATA SUMMARY REPORT
FOURTH QUARTER, 1993

DOUGLAS AIRCRAFT COMPANY C-6 FACILITY
TORRANCE, CALIFORNIA

K/J 924010.01

DECEMBER 1993

SCANNED

Kennedy/Jenks Consultants

GROUNDWATER MONITORING DATA SUMMARY REPORT
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TORRANCE, CALIFORNIA
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1.0 INTRODUCTION

The Douglas Aircraft Company (DAC) C-6 Facility is located at 19503 South Normandie Avenue, Torrance, California (Figure 1). Quarterly groundwater sampling is being conducted in response to the California Regional Water Quality Control Board - Los Angeles Region correspondence to DAC, dated 7 April 1992. This report summarizes laboratory analytical data generated through the chemical analysis of groundwater samples collected during the period of 18 and 19 November 1993, Fourth Quarter 1993.

2.0 QUARTERLY MONITORING PROGRAM

Fourth Quarter 1993 groundwater sampling was performed in accordance with standard sampling procedures. Static water level depths were measured on 18 November 1993 prior to initiating purging of groundwater from any observation wells. Static water depths on monitoring wells (MW-9, MW-18 and MW-19) located in the southern portion of DAC property installed for the Montrose Chemical Corporation Remedial Investigation were not measured for this quarter.

Groundwater samples were collected from the following fifteen wells (Figure 2) and chemically analyzed for volatile organic compounds (VOCs) by EPA Method 8240/8260 for the Fourth Quarter 1993.

WCC-1S, WCC-2S, WCC-3S, WCC-4S, WCC-5S, WCC-6S, WCC-7S, WCC-8S, WCC-9S, WCC-10S, WCC-11S, WCC-12S, WCC-1D, WCC-3D, and DAC-P1.

Table 1 summarizes observation well construction details. Tables 2 and 3 summarize the results of chemical analysis of groundwater samples and duplicates for major and minor constituents at the C-6 facility, respectively. Chemicals detected in samples from each observation well are shown on Figure 3. Table 4 summarizes available measured groundwater elevations to date. Estimated groundwater elevation contours for the Fourth Quarter are presented on Figure 4. Copies of laboratory data sheets, laboratory/field Quality Control data sheets, groundwater purge and sample forms, and Chain-of-Custody records are included in Appendices A, B, C, and D respectively.

2.1 Groundwater Sampling Procedures

Prior to collecting groundwater samples from each well, groundwater was purged using an electrical submersible pump that was temporarily installed in the observation well. Observation well WCC-1S was purged with a bailer since the 2-inch casing size would not accommodate a pump. After lowering the pump to the approximate mid-point of the saturated well screen, approximately three to five wetted casing volumes of groundwater were purged from the well until the following groundwater monitoring parameters had stabilized to within 10% of preceding values: pH, electrical conductivity, temperature and clarity. Purged groundwater was stored onsite in DOT approved 55 gallon barrels pending the results of laboratory analysis of samples.

Following groundwater purging, the submersible pump was removed from the well and a representative groundwater sample was collected using a steam-cleaned stainless steel point-source bailer equipped with top and bottom ball-check valves. The bailer was lowered to the approximate mid-point of the saturated well screen interval and retrieved to ground surface. The contents of the bailer were drained into three labelled 40-ml capacity vials, preserved with HCL.

2.2 Field QA/QC Procedures

Two duplicate groundwater samples were collected for the sampling rounds on 18 and 19 November 1993 for quality control purposes. The duplicates were collected in three HCL-preserved vials each and identified by inserting the collection date after "DW-" (DW-111893 and DW-111993). No further sample identification was provided to the laboratory. Samples DW-111893 and DW-111993 were taken from observation wells WCC-3D and WCC-11S, respectively.

Following decontamination of the bailer by steam-cleaning, and prior to collection of groundwater samples from the successive well, equipment rinsate blanks were prepared for laboratory analysis. The equipment rinsate blanks were prepared by pouring Reagent Grade II water, prepared by the analytical laboratory, through the bailer and discharge spigot and collecting the rinsate in one 40-ml vial preserved with HCL. The blanks were identified following a similar protocol to that used for duplicate water samples and are identified as "FB-111893" and "FB-111993". The wells sampled before and after rinsate blank preparation were recorded. FB-111893 was collected after sampling well WCC-9S and prior to sampling well WCC-1D. FB-111993 was collected after sampling WCC-3S and prior to sampling well WCC-1S.

All groundwater duplicate and field blank samples were transported in ice-cooled chests to Terra Tech Labs, Inc., Irvine, California using U.S. EPA-recommended Chain-of-Custody procedures.

3.0 EVALUATION OF ANALYTICAL RESULTS

3.1 Groundwater Gradient

Groundwater levels were measured prior to sampling on 18 November 1993 (Table 4 and Appendix B). The groundwater elevations over the C-6 facility range from approximately 17.0 feet below mean sea level (MSL) to nearly 19 feet below MSL. An estimated potentiometric surface map for the shallow zone as measured on this day is presented as Figure 4. Water level measurements show a rise of approximately 0.2 feet over the DAC C-6 facility since the August quarterly monitoring. The groundwater gradient in the shallow zone was generally south-southeast with a southerly trough-like depression in the vicinity of observation wells WCC-7S and WCC-12S.

Insufficient data (two wells) are available to define the groundwater gradient in the deeper zone. Groundwater elevation in the two wells (WCC-1D and WCC-3D) is approximately 18.3 feet below MSL.

3.2 Analytical Data

The results of chemical analysis of groundwater and duplicate samples are summarized in Tables 2 and 3. Table 2 lists major constituents and Table 3 lists additional minor constituents of samples tested. The duplicate groundwater samples are indicated by an asterisk and are presented with the "original" groundwater samples. These tables include cumulative analytical data for all monitoring wells and detection limits (where available) for the listed chemicals.

The following observations are noted:

- Data for groundwater samples collected from well DAC-P1, located at the upgradient property boundary, indicate a TCE concentration of 24,000 micrograms per liter ($\mu\text{g}/\text{L}$) coming onto DAC's property. This test result is consistent with prior sampling events. DAC-P1 is screened in the shallow zone.
- Background concentrations of TCE and 1,1-DCE in the shallow zone upgradient or cross gradient wells WCC-10S, WCC-2S, and WCC-11S have shown a slight decrease but remain in the range of 100 $\mu\text{g}/\text{L}$ and tens of $\mu\text{g}/\text{L}$ for TCE and 1,1-DCE, respectively.
- Groundwater elevation data (Figure 4) and chemical concentration data (Figure 3) indicate that chemical transport in the shallow zone is in a generally southerly direction in the vicinity of buildings 36 and 41. Chemical concentration data from the eastern boundary observation wells (WCC-5S, and WCC-9S) are within the same range or lower than upgradient or cross gradient "background level" wells (WCC-10S, WCC-2S and WCC-11S). Therefore, the data do not suggest chemical migration offsite from an onsite source.
- The First Quarter 1993 report noted anomalous data for several chemicals present in wells WCC-3D and WCC-3S. The June 1993 (Second Quarter) and August 1993 (Third Quarter) chemical data showed that measured concentrations were consistent with their historical ranges suggesting questionable First Quarter results. The November 1993 (Fourth Quarter) data show sporadic increases or decreases in concentration of several VOCs. Continued quarterly data will allow for an assessment of a trend, if any.

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- Measured concentrations of MIBK and Toluene increased from 3,900 µg/L to 13,000 µg/L and 10,000 µg/L to 21,000 µg/L, respectively in well WCC-6S from the first to second quarter samplings while other chemical concentrations were consistent with their historical concentration ranges. Data from the Third Quarter 1993 sampling event indicated measured concentrations of MIBK and Toluene consistent with the Second Quarter measured concentrations. However, Fourth Quarter data indicate a return to historical concentration levels. Continued quarterly data will allow for an assessment of a trend, if any.
- Analytical data from the equipment rinsate blanks, sample duplicates, and laboratory spike and duplicates are indicative of reliable data.

TABLE 1
OBSERVATION WELL CONSTRUCTION DETAILS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER, 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01

Well	Date Constructed	Well Diameter (Inches)	Total Depth of Borehole (Feet)	Depth of Screened Interval (Feet)	Depth to top of Sand Filter Pack (Feet)	Well Casing Material and Slot Size	Hydrogeologic Unit Screened
WCC-1S ¹	03-26-87	2	91	78-88	72	Schedule 40 PVC 0.020-Inch Slots	Shallow
WCC-2S ¹	10-28-87	4	90.5	70-90	63	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-3S ¹	10-26-87	4	92.0	69-89	64	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-4S ¹	10-27-87	4	91.5	70.5-90.5	65	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-5S ¹	11-24-87	4	91	60.5-91	58.5	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-6S ²	09-22-89	4	91	60-90	N/A ³	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-7S ²	06-08-89	4	90.5	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-8S ²	06-12-89	4	90	59.5-89.5	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-9S ²	09/21/89	4	91.5	60-90	55	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-10S ²	06-07-89	4	90.8	60-90	54	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-11S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-12S	N/A	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
DAC-P1	09-25-89	4	N/A	60-90(?)	N/A	Schedule 40 PVC 0.010-Inch Slots	Shallow
WCC-1D ²	06-30-89	4	140	120-140	115	Schedule 40 PVC 0.010-Inch Slots	Deeper
WCC-3D ²	06-27-89	4	140	120-140	114	Schedule 40 PVC 0.010-Inch Slots	Deeper

TABLE 1 (Continued)
 OBSERVATION WELL CONSTRUCTION DETAILS
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 THIRD QUARTER, 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CALIFORNIA
 K/J 924010.01

Well	Date Constructed	Well Diameter (inches)	Total Depth of Borehole (Feet)	Depth of Screened Interval (Feet)	Depth to top of Sand Filter Pack (Feet)	Well Casing Material and Slot Size	Hydrogeologic Unit Screened
MW-8 ⁴	05/10/89	4	85	65-80	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-9 ⁴	05/09/89	4	85	66-81	61	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-18 ⁴	03/29/90	4	84	68-83	67	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow
MW-19 ⁴	03/30/90	4	80	63-79	62	PVC blank and 316 Stainless Steel 0.020-inch Slot Screen	Shallow

Notes:

1. Data from Woodward-Clyde Consultants Phase II Report, May 1988
2. Data from Woodward-Clyde Consultants Phase III Report, March 1990
3. N/A = Not Available
4. Data from Hergis + Associates, Final Draft, Remedial Investigation, Montrose Site, Torrance, Ca, October 1992

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1S	03/27/87	2800	-	300	4,600	-	-	-	-	85	-	-
	*04/13/87	3,700/2,500	-/-	260/120	5,500/3,600	-/-	-/-	-/-	-/-	110	-/-	-/-
	11/12/87	3,000	23	160	5,200	-	-	75	39	160	-	-
	07/13/89	900	<20	67	2,400	<100	<20	<20	<20	<20	<20	-
	08/23/89	1,500	30	<30	2,800	<100	41	<30	<30	<30	<30	-
	11/18/91	1,300	-	-	3,700	-	-	-	-	-	-	-
	06/17/92	1,700	<50	<50	3,800	<100	<5	<50	<50	<50	<50	<100
	09/23/92	1,500	13	16	3,400	<5	<1	14	13	37	1	<5
	12/09/92	1,500	<30	<30	3,100	<100	<30	<30	<30	30	<30	<100
	03/18/93	1,000	13	15	2,100	<5	27	15	14	33	<2	<10
	06/08/93	1,200	<20	<20	2,400	<200	27	<20	<20	35	<20	<400
	08/25/93	1,700	<20	<20	3,300	<200	27	<20	<20	42	<20	<400
	11/19/93	1,600	<20	<20	2,600	<200	25	<20	<20	38	<20	<400
WCC-2S	11/02/87	5	-	5	14	-	-	-	-	-	6	-
	11/12/87	2	-	1	4	-	-	-	-	-	1	-
	7/13/89	<1	<1	<1	5	<5	<1	<1	<1	<1	<1	-
	8/23/89	<1	<1	<1	3	<5	<1	<1	<1	<1	<1	-
	11/19/91	30	-	8	110	-	-	-	-	-	75	-
	06/16/92	30	<5	<5	100	<10	<5	<5	<5	<5	<5	<10
	*09/22/92	18/19	<1/<1	<1/<1	110/97	<5/<5	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	1/1
	*12/08/92	49/27	<1/<1	2/2	140/99	<5/<5	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<5/<5
	*03/17/93	32/33	<2/<2	<2/<2	110/100	<5/<5	<2/<2	<2/<2	<2/<2	<2/<2	<2/<2	<10/<10
	06/07/93	48	<2	<2	150	<20	<2	<2	<2	<2	<2	<40
	08/24/93	16	<2	<2	90	<20	<2	<2	<2	<2	<2	<40
	11/19/93	41	<2	<2	94	<20	<2	<2	<2	<2	<2	<40
WCC-3S	11/02/87	38,000	-	110,000	10,000	54,000	-	-	-	-	80,000	-
	11/12/87	88,000	1,000	54,000	11,000	70,000	-	1,000	-	-	140,000	-
	07/13/93	18,000	<500	56,000	7,700	<3000	<500	660	<500	<500	32,000	-
	08/23/89	56,000	<1,000	78,000	6,000	<5000	<1,000	<1,000	<1,000	<1,000	56,000	-
	11/14/91	12,000	400	6,900	7,900	70,000	550	550	250	-	27,000	12,000
	06/17/92	25,000	<5,000	13,000	13,000	100,000	<5,000	<5,000	<5,000	<5,000	<5,000	51,000
	09/23/92	22,000	<500	7,800	12,000	82,000	<500	<500	<500	<500	52,000	<3,000
	12/09/92	21,000	<500	5,600	11,000	90,000	700	600	<500	<500	44,000	4,000
	*03/18/93	20,000/20,000	650/510	21,000/22,000	8,800/8,800	44,000/45,000	650/640	640/670	120/110	240/260	42,000/42,000	<50/<50
	06/08/93	16,000	420	5,900	8,600	79,000	520	480	<100	210	37,000	<2,000
	*08/25/93	21,000/20,000	500/560	10,000/9,500	11,000/9,700	50,000/49,000	670/700	680/710	<400/<10	<400/250	46,000/40,000	<8,000/660
	11/19/93	26,000	690	19,000	10,000	47,000	1,100	840	<200	280	50,000	<4,000

1 * Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-4S	11/02/87	360	-	14	700	-	-	2	2	-	-	-
	11/12/87	1,200	-	35	690	-	-	-	-	-	-	-
	7/13/89	170	<3	11	270	-	10	<3	<3	<3	<3	-
	08/23/89	360	<5	7	410	<20	15	<5	<5	<5	<5	-
	11/18/91	1,000	-	20	2,200	<30	-	-	-	-	-	-
	06/17/92	920	<25	<25	1,500	<50	<25	<25	<25	<25	<25	<50
	09/23/92	1,400	<10	20	1,900	<50	<10	<10	10	<10	<10	<50
	12/08/92	1,000	<10	20	1,600	<50	10	<10	10	<10	<10	<50
	03/17/93	810	8	14	1,200	<5	8	5	5	6	<2	<10
	06/08/93	1,300	<10	12	1,800	<100	10	<10	<10	<10	<10	<200
	08/25/93	1,100	<10	<10	1,400	<100	<10	<10	<10	<10	<10	<200
	11/19/93	610	17	8	700	<40	6	5	<4	4	9	<80
WCC-5S	11/30/87	7	-	1	-	-	-	-	-	-	1	-
	01/08/88	4	-	10	-	-	-	-	-	-	-	-
	*07/13/89	3/3	<1/<1	13/12	<5/<5	<1/<1	6/6	<1/<1	<1/<1	<1/<1	<1/<1	-
	08/23/89	<1	<1	12	<5	<1	4	<1	<1	<1	<1	-
	11/19/91	20	-	-	8	-	-	-	-	-	7	-
	06/15/92	28	<5	<5	7	<10	<5	<5	<5	<5	<5	<10
	09/21/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	12/07/92	21	<1	<1	5	<5	<1	<1	<1	<1	<1	<5
	03/16/93	18	<2	<2	4	<5	<2	<2	<2	<2	<2	<10
	06/07/93	22	<2	<2	4	<20	<2	<2	<2	<2	<2	<40
	08/24/93	23	<2	<2	5	<20	<2	<2	<2	<2	<2	<40
	11/18/93	21	<2	<2	3	<20	<2	<2	<2	<2	<2	<40
WCC-6S	10/06/89	210	4	130	140	<5	12	7	<1	<1	<1	-
	11/16/91	5,800	-	5,000	3,000	17,000	-	-	-	-	35,000	21,000
	06/17/92	5,400	<500	2,100	3,000	7,600	<500	<500	<500	<500	15,000	6,300
	09/23/92	5,900	94	1,300	3,100	7,500	200	170	20	67	10,000	3,600
	*12/09/92	3,700/5,600	80/<100	680/1,400	2,700/3,200	3,400/<500	200/200	100/200	<50/<100	80/<100	5,000/10,000	3,000/5,000
	03/17/93	3,200	50	1,200	1,400	3,900/<500	<10	80	15	40	10,000	3,800
	06/08/93	5,500	<100	1,900	2,100	13,000	260	120	<100	<100	21,000	7,800
	08/25/93	5,400	<100	2,100	1,900	11,000	630	130	<100	<100	19,000	7,600
	11/19/93	2,200	42	440	670	4,700	480	57	<10	24	4,900	3,100

1 * Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 2
 SUMMARY OF GROUNDWATER ANALYTICAL DATA
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-7S	07/13/89	850	<10	110	1,300	<50	26	11	<10	<10	<10	-
	08/23/89	1,100	<30	66	1,400	<100	31	<30	<30	<30	<30	-
	11/18/91	390	-	-	1,200	-	-	-	-	-	-	-
	06/17/92	230	<5	<5	560	<10	<5	<5	<5	<5	<5	<10
	09/23/92	140	<5	<5	570	<30	<5	<5	<5	<5	<5	<30
	12/08/92	140	<5	<5	430	<30	<5	<5	<5	<5	<5	<30
	03/17/93	77	<2	<2	200	<5	4	<2	<2	<2	<2	<10
	06/07/93	120	<2	<2	330	<20	4	<2	<2	<2	<2	<40
	08/25/93	70	<4	<4	210	<40	4	<4	<4	<4	<4	<80
	11/19/93	56	<2	<2	130	<20	<2	<2	<2	<2	<2	<40
WCC-8S	07/13/89	430	<5	160	240	<30	7	9	<5	<5	<5	-
	08/23/89	820	<5	130	430	<30	7	<5	<5	<5	<5	-
	11/15/91	2,600	-	400	3,000	-	40	40	25	-	120	-
	*06/17/92	2,200/2,300	<25/<50	180/180	2,400/2,600	<50/<100	<25/<50	<25/<50	<25/<50	<25/<50	<25/<50	<50/<100
	09/23/92	2,800	<20	200	3,100	<100	<20	20	20	<20	<20	<100
	12/08/92	2,000	<20	100	2,500	<100	20	30	20	20	<20	<100
	03/17/93	1,800	11	180	1,500	<5	15	26	10	15	<2	<10
	06/08/93	3,000	<20	300	2,000	<200	<20	40	<20	<20	<20	<400
	08/25/93	3,100	<20	330	2,200	<200	<20	45	<20	<20	<20	<400
	11/19/93	3,300	<20	330	2,000	<200	<20	50	<20	24	<20	<400
WCC-9S	10/06/89	<1	<1	<1	15	<5	7	<1	<1	<1	<1	-
	11/19/91	-	-	-	20	-	-	-	-	-	-	-
	06/15/92	7	<5	<5	42	<10	<5	<5	<5	<5	<5	<10
	09/21/92	6	<1	<1	45	<5	2	<1	6	<1	<1	<5
	12/07/92	10	<1	<1	51	<5	<1	<1	12	<1	<1	<5
	03/16/93	6	<2	<2	23	<5	3	<2	11	<2	<2	<10
	*06/07/93	11/11	<2/<2	<2/<2	42/39	<20/<20	<2/<2	<2/<2	18/17	<2/<2	<2/<2	<40/<40
	08/24/93	5	<2	<2	26	<20	4	<2	<2	<2	<2	<40
	11/18/93	5	<2	<2	43	<20	<2	<2	7	<2	<2	<40

1 * Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-10S	*07/13/89	2/1	<1/<1	<1/<1	86/87	<5/<5	<1/<1	<1/<1	3/3	<1/<1	<1/<1	-
	08/23/89	4	<1	<1	81	5	<1	<1	4	<1	<1	-
	11/20/91	-	-	-	87	-	-	-	-	-	-	-
	06/16/92	10	<5	<5	120	<10	<5	<5	<5	<5	<5	13
	*09/21/92	9/9	<1/<1	<1/<1	120/110	<5/<5	<1/<1	<1/<1	4/4	<1/<1	<1/<1	<5/<5
	12/8/92	8	<1	<1	110	<5	<1	<1	5	<1	<1	<5
	03/16/93	9	<2	<2	130	<5	<2	<2	6	<2	<2	<10
	06/07/93	13	<2	<2	120	<20	<2	<2	4	<2	<2	<40
	08/25/93	<4	<2	<2	120	<20	<2	<2	<2	<2	<2	<40
	11/19/93	9	<2	<2	82	<20	<2	<2	2	<2	<2	<40
WCC-11S	11/15/91	10	-	-	80	-	-	-	-	-	-	-
	06/16/92	21	<5	<5	120	<10	<5	<5	<5	<5	<5	<10
	09/21/92	17	<1	<1	140	<5	2	<1	<1	<1	<1	<5
	12/08/92	13	<1	<1	83	<5	6	<1	<1	<1	<1	<5
	03/16/93	25	<2	<2	160	<5	4	<2	<2	<2	<2	<10
	06/07/93	16	<2	<2	110	<20	5	<2	<2	<2	<2	<40
	08/24/93	14	<2	<2	97	<20	4	<2	<2	<2	<2	<40
	*11/19/93	14/14	<2/<2	<2/<2	100/100	<20/<20	3/3	<2/<2	<2/<2	<2/<2	<2/<2	<40/<40
	11/18/91	300	-	17	900	-	-	-	-	-	-	-
WCC-12S	*06/16/92	250/260	<5/5	<5/<5	660/710	<10/<10	<5/<5	<5/<5	<5/<5	<5/<5	<5/<5	<10/10
	09/22/92	130	7	1	500	<5	3	<1	3	<1	<1	<5
	12/08/92	160	<5	<5	550	<30	5	<5	<5	<5	<5	<30
	03/17/93	100	7	<2	410	<5	4	8	3	<2	<2	<10
	06/07/93	130	2	<2	370	<20	5	<2	<2	<2	<2	<40
	08/25/93	100	<4	<4	390	<40	<4	<4	<4	<4	9	<80
	11/19/93	45	9	<2	220	<20	<2	<2	<2	<2	<2	<40
	DAC-P1	10/09/89	<200	<200	<200	17,000	<1,000	<200	<200	<200	<200	<1,000
	06/17/92	<5	<5	<5	21,000	<10	13	<5	10	<5	<5	<10
	*06/23/92	4/4	<1/<1	<1/<1	28,000/28,000	<5/<5	71/70	1/2	54/51	5/5	<1/<1	<5/<5
	12/09/92	<300	<500	<500	29,000	<3,000	<500	<500	<500	<500	<500	<3,000
	03/18/93	21	<2	44	21,000	7	68	2	44	5	260	<10
	06/08/93	<200	<100	<100	2,800	<1,000	<100	<100	<100	<100	130	<2,000
	08/25/93	<400	<200	<200	27,000	<2,000	<200	<200	<200	<200	300	<4,000
	11/19/93	<40	<20	<20	24,000	<200	81	<20	52	<20	<20	<400

1 - Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 2
 SUMMARY OF GROUNDWATER ANALYTICAL DATA
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.												
WELL I.D.	SAMPLE DATE	1,1-DCE	1,1,-DCA	1,1,1-TCA	TCE	MIBK	cis-1,2-DCE	trans-1,2-DCE	CHLOROFORM	BENZENE	TOLUENE	MEK
WCC-1D	07/25/89	<1	<1	<1	2	<5	1	<1	<1	<1	1	-
	08/23/89	<1	<1	1	2	<5	<1	<1	<1	<1	<1	-
	11/15/91	90	-	8	40	-	-	-	-	-	20	-
	*06/15/92	1,500/1,300	<25/<25	63/64	230/210	<50/<65	<25/<25	<25/<25	<25/<25	<25/<25	<25/<25	<25/<25
	09/22/92	180	<1	8	44	<5	2	<1	<1	<1	<1	<5
	*12/07/92	160/150	<1/<1	8/160	41/6	<5/<5	2/<1	<1/<1	1/1	<1/<1	<1/3	<5/<5
	03/16/93	200	<2	19	23	<5	3	<2	<2	<2	<2	<10
	*06/08/93	500/480	<10/<4	14/17	71/72	<100/<40	<10/<4	<10/<4	<10/<4	<10/<4	<10/<4	<200/<80
	08/24/93	540	<2	16	67	<20	3	2	<2	<2	2	<40
	11/18/93	880	<2	16	110	<20	3	3	<2	<2	<2	<40
WCC-3D	07/25/89	<1	<1	49	4	<5	11	<1	<1	<1	3	-
	08/23/89	<10	<10	32	<10	<50	<10	<10	<10	<10	<10	-
	11/14/91	20	-	60	-	-	-	-	-	-	-	-
	06/16/92	510	<5	880	23	<10	<5	<5	<5	<5	8	<10
	09/22/92	21	<1	27	2	<5	<1	<1	<1	<1	<1	<5
	12/07/92	120	<1	130	5	<5	<1	<1	1	<1	3	<5
	*03/16/93	950/1,000	6/6	2,000/2,000	50/47	<5/<5	2/2	9/9	<2/<2	<2/<2	6/6	<10/<10
	06/08/93	110	<2	110	6	<20	<2	<2	<2	<2	<2	<40
	08/24/93	120	<2	100	5	<20	<2	<2	<2	<2	3	<40
	*11/18/93	610/840	<2/<4	410/640	17/23	<20/<40	<2/4	4/4	<2/<4	<2/<4	6/8	<40/<80

1 - Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-1S	03/27/87	-	-	-	-	-	-	-	-	-	-
	*04/13/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<300	-	-	-	-	-	-	-	-	-
	09/23/92	<5	<1	<1	4	<1	<1	<1	22	<1	<1
	12/09/92	<100	<30	<30	40	<30	<30	<30	<30	<30	<30
	03/18/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<20	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
WCC-2S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-
	8/23/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-
	*09/22/92	<5/<5	<1/<1	<1/1	11/9	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	*12/08/92	6/<5	<1/<1	<1/<1	5/2	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	*03/17/93	<10/<10	<2/<2	<5/<5	<10/<10	<5/<5	<2/<2	<2/<2	<5/<5	<2/<2	<2/<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
WCC-3S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	07/13/93	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/14/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<30,000	-	-	-	-	-	-	-	-	-
	09/23/92	<3,000	<500	<500	900	<500	<500	<500	<500	<500	<500
	12/09/92	<3,000	<500	<500	<500	<500	<500	<500	<500	<500	<500
	*03/18/93	<50/<50	120/110	<25/<25	<50/<50	<25/<25	55/60	<10/<10	<25/<25	<10/<10	100/95
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	*08/25/93	<8,000/<200	<400/154	<400/<10	<800/<50	<400/<10	<800/52	<400/<10	<400/<10	<400/21	<400/86
	11/19/93	<4,000	<200	<200	<1,000	<200	<400	<200	<200	<200	<200

1 - Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-4S	11/02/87	-	-	-	-	-	-	-	-	-	-
	11/12/87	-	-	-	-	-	-	-	-	-	-
	7/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<150	-	-	-	-	-	-	-	-	-
	09/23/92	<50	<10	<10	20	<10	<10	<10	<10	<10	<10
	12/08/92	<50	<10	<10	50	<10	<10	<10	<10	<10	<10
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<200	<10	<10	<40	<10	<20	<10	<10	<10	<10
	08/25/93	<200	<10	<10	<20	<10	<20	<10	<10	<10	<10
	11/19/93	<80	<4	<4	<20	<4	<8	<4	<4	<4	<4
WCC-5S	11/30/87	-	-	-	-	-	-	-	-	-	-
	01/08/88	-	-	-	-	-	-	-	-	-	-
	*07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/15/92	<10	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	3	8	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<2	<4	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
WCC-6S	10/06/89	-	-	-	-	-	-	-	-	-	-
	11/16/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<3,000	-	-	-	-	-	-	-	-	-
	09/23/92	78	26	<1	5	<1	96	<1	<1	5	5
	*12/09/92	<300/<500	<50/<100	<50/<100	100/200	<50/<100	60/<100	<50/<10	<50/<100	<50/<10	<80/<10
	03/17/93	<50	20	<25	<50	<25	<10	<10	<25	<10	50
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	08/25/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	11/19/93	<200	<10	<10	<50	<10	<20	<10	<10	<10	37

1 * Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-7S	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/18/91	-	-	-	-	-	-	-	-	-	-
	06/17/92	<30	-	-	-	-	-	-	-	-	-
	09/23/92	<30	<5	<5	10	<5	<5	<5	<5	<5	<5
	12/08/92	<30	<5	<5	10	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<5	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<80	<4	<4	31	<4	<8	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
WCC-8S	07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/15/91	-	-	-	-	-	-	-	-	-	-
	*06/17/92	<150/<300	-	-	-	-	-	-	-	-	-
	09/23/92	<100	<20	<20	40	<20	<20	<20	<20	<20	<20
	12/08/92	<100	<20	<20	30	<20	<20	<20	<20	<20	<20
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/08/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
	08/25/93	<400	<20	<20	<40	<20	<40	<20	<20	<20	<20
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20
WCC-9S	10/06/89	-	-	-	-	-	-	-	-	-	-
	11/19/91	-	-	-	-	-	-	-	-	-	-
	06/15/92	<30	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	<1	10	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	*06/07/93	<40/<40	<2/<2	<2/<2	<4/<4	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2

1 - Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.											
WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-10S	*07/13/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/20/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	35	-	-	-	-	-	-	-	-	-
	*09/21/92	<5/<5	<1/<1	<1/<1	8/8	1/1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	12/8/92	<5	<1	<1	3	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
WCC-11S	11/15/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<10	-	-	-	-	-	-	-	-	-
	09/21/92	<5	<1	2	9	<1	<1	<1	<1	<1	<1
	12/08/92	<5	<1	<1	4	<1	<1	<1	<1	<1	<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	*11/19/93	<40/<40	<2/<2	<2/<4	<10/<10	<2/<2	<4/<4	<2/<2	<2/<2	<2/<2	<2/<2
WCC-12S	11/18/91	-	-	-	-	-	-	-	-	-	-
	*06/16/92	<10/<10	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	7	<1	<1	<1	<1	<1	<1
	12/08/92	<30	<5	<5	20	<5	<5	<5	<5	<5	<5
	03/17/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	06/07/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/25/93	<80	<4	<4	<8	<4	<8	<4	<4	<4	<4
	11/19/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
DAC-P1	10/09/89	<1,000	-	-	-	-	-	-	-	-	-
	06/17/92	<30	-	-	-	-	-	-	-	-	-
	*06/23/92	<5/<5	<1/<1	1/1	4/4	4/4	9/9	13/13	<1/<1	<1/<1	<1/<1
	12/09/92	<3,000	<500	<500	2,000	<500	<500	<500	<500	<500	<500
	03/18/93	<10	<2	<5	<10	<5	5	10	<5	<2	<2
	06/08/93	<2,000	<100	<100	<200	<100	<200	<100	<100	<100	<100
	08/25/93	<4,000	<200	<200	<400	<200	<400	<200	<200	<200	<200
	11/19/93	<400	<20	<20	<100	<20	<40	<20	<20	<20	<20

1 - Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 3
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - MINOR CONSTITUENTS
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CA

COMPOUNDS DETECTED BY EPA METHOD 8240 OR EPA METHOD 8240/8260 - All results in ug/l.

WELL I.D.	SAMPLE DATE	Acetone	Total Xylenes	Trichloro-fluoromethane	Methylene Chloride	Carbon Tetra-Chloride	1,1,2-TCA	PCE	Carbon Disulfide	Ethyl-Benzene	1,2-DCA
WCC-1D	07/25/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/15/91	-	-	-	-	-	-	-	-	-	-
	*06/15/92	<50/<50	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	4	11	<1	<1	<1	<1	<1	<1
	*12/07/92	<5/<5	<1/<1	<1/<1	2/2	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1
	03/16/93	<10	<2	<5	<10	<5	<2	<2	<5	<2	<2
	*06/08/93	<200/<80	<10/<4	<10/<4	<20/<10	<10/<4	<20/<8	<10/<4	<10/<4	<10/<4	<10/<4
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	11/18/93	<40	<2	<2	<10	<2	<4	<2	<2	<2	<2
WCC-3D	07/25/89	-	-	-	-	-	-	-	-	-	-
	08/23/89	-	-	-	-	-	-	-	-	-	-
	11/14/91	-	-	-	-	-	-	-	-	-	-
	06/16/92	<30	-	-	-	-	-	-	-	-	-
	09/22/92	<5	<1	1	8	<1	<1	<1	<1	<1	<1
	12/07/92	<5	<1	<1	1	<1	<1	<1	<1	<1	<1
	*03/16/93	<10/<10	<2/<2	<5/<5	<10/<10	<5/<5	<2/<2	<2/<2	<5/<5	<2/<2	<2/<2
	06/08/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	08/24/93	<40	<2	<2	<4	<2	<4	<2	<2	<2	<2
	*11/18/93	<40/<80	<2/<4	<2/<4	<10/<20	<2/<4	<4/<8	<2/<4	<2/<4	<2/<4	<2/<4

1 * Duplicate sample also analyzed.

2 - Not Detected (Detection Limit not specified)

TABLE 4

Page 1 of 2

**SUMMARY OF GROUNDWATER ELEVATION DATA
 GROUNDWATER MONITORING DATA SUMMARY REPORT
 FOURTH QUARTER 1993
 DOUGLAS AIRCRAFT C-6 FACILITY
 TORRANCE, CALIFORNIA
 K/J 924010.01**

Observation Well	Reference Point ¹ Elevation (Feet Above MSL) ²	Water Level Elevation (Feet Above Mean Sea Level)				
		01/05/93	04/09/93	06/07/93	08/24/93	11/18/93
WCC-1S	50.70	-19.34	-18.79	-18.75	-18.25	-18.00
WCC-2S	50.59	-19.51	-18.64	-18.63	-18.15	-17.87
WCC-3S	51.19	-19.73	-18.83	-18.82	-18.36	-18.01
WCC-4S	49.69	-19.34	-18.86	-18.78	-18.37	-18.16
WCC-5S	48.22	-19.32	-18.83	-18.78	-18.38	-18.13
WCC-6S	50.95	-19.50	-19.03	-18.97	-18.55	-18.32
WCC-7S	48.29	-19.76	-19.30	-19.23	-18.83	-18.60
WCC-8S	50.56	-19.19	-18.69	-18.61	-18.19	-17.89
WCC-9S	47.01	-19.56	-19.09	-19.09	-18.69	-18.42
WCC-10S	51.12	-19.10	-18.42	-18.33	-17.83	-17.54
WCC-11S	49.97	-18.69	-18.13	-18.04	-17.60	-17.36
WCC-12S	46.92	-19.74	-19.26	-19.20	-18.78	-18.58
DAC-P1	52.44	-18.02	-17.46	-17.38	-17.03	-16.76
WCC-1D	50.45	-19.61	-19.10	-19.00	-18.53	-18.34
WCC-3D	51.18	-20.52	-18.87	-18.85	-18.40	-18.18
MW-8 ^e	49.09	NA ^b	NA	NA	NA	NA
MW-9 ^e	48.67	NA	NA	-20.58	NA	NA
MW-18 ^e	50.29	NA	NA	-20.88	NA	NA
MW-19 ^e	46.55	NA	NA	-20.13	NA	NA

TABLE 4

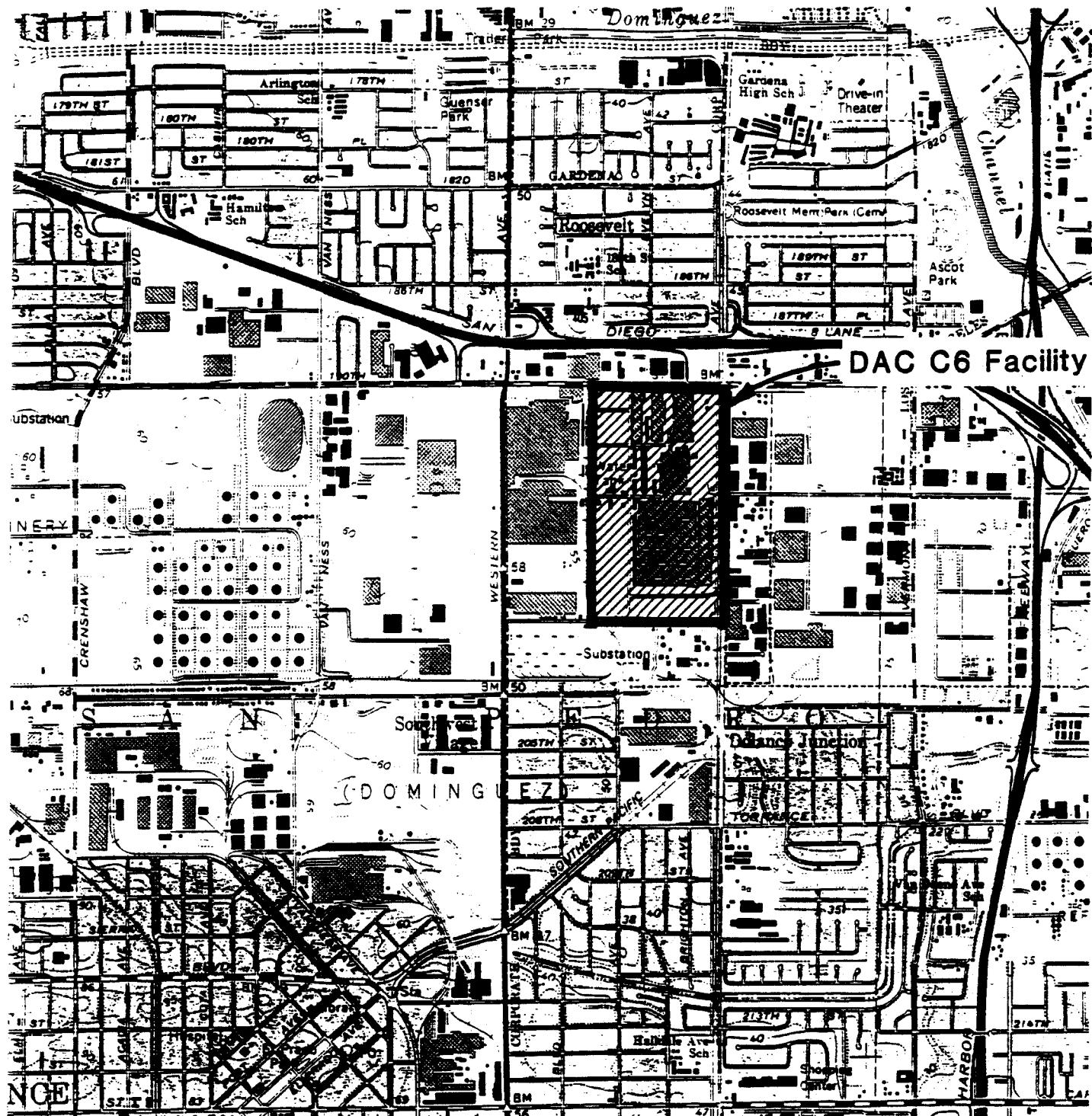
Page 2 of 2

**SUMMARY OF GROUNDWATER ELEVATION DATA
GROUNDWATER MONITORING DATA SUMMARY REPORT
FOURTH QUARTER 1993
DOUGLAS AIRCRAFT C-6 FACILITY
TORRANCE, CALIFORNIA
K/J 924010.01**

Observation Well	Reference Point ¹ Elevation (Feet Above MSL) ²	Water Level Elevation (Feet Above Mean Sea Level)			
		11/13/87 ³	10/18/89 ⁴	06/15/92	09/21/92
WCC-1S	50.70	-21.63	-19.48	-19.20	-19.42
WCC-2S	50.59	-19.72	-19.06	-19.15	-19.41
WCC-3S	51.19	-21.56	-19.42	-19.24	-19.52
WCC-4S	49.69	-21.77	-19.59	-19.22	-19.49
WCC-5S	48.22	NA ⁵	-19.70	-19.13	-19.42
WCC-6S	50.95	NA	-19.70	-19.40	-19.64
WCC-7S	48.29	NA	-20.07	-19.63	-19.93
WCC-8S	50.56	NA	-19.35	-19.11	-19.34
WCC-9S	47.01	NA	-20.07	-19.44	-19.66
WCC-10S	51.12	NA	-18.42	-18.94	-19.33
WCC-11S	49.97	NA	NA	-17.62	-18.81
WCC-12S	46.92	NA	NA	-19.60	-19.90
DAC-P1	52.44	NA	NA	-17.76	-17.88
WCC-1D	50.45	NA	-19.51	-19.55	-19.92
WCC-3D	51.18	NA	-19.38	-19.39	-19.71
MW-8 ⁶	49.09	NA	NA	NA	NA
MW-9 ⁶	48.67	NA	NA	NA	NA
MW-18 ⁶	50.29	NA	NA	NA	NA
MW-19 ⁶	46.55	NA	NA	NA	NA

Notes:

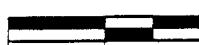
1. Reference point is north side, top of well casing
2. Reference point elevation measured by Hargis + Associates, Inc.
3. Data taken from Woodward-Clyde Consultants Phase II Report, May 1988.
4. Data taken from Woodward-Clyde Consultants Phase III Report, March 1990.
5. N/A - Not Available - No access to offsite wells.
6. Installed by Hargis + Associates, Inc. for Montrose Chemical Corporation



Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

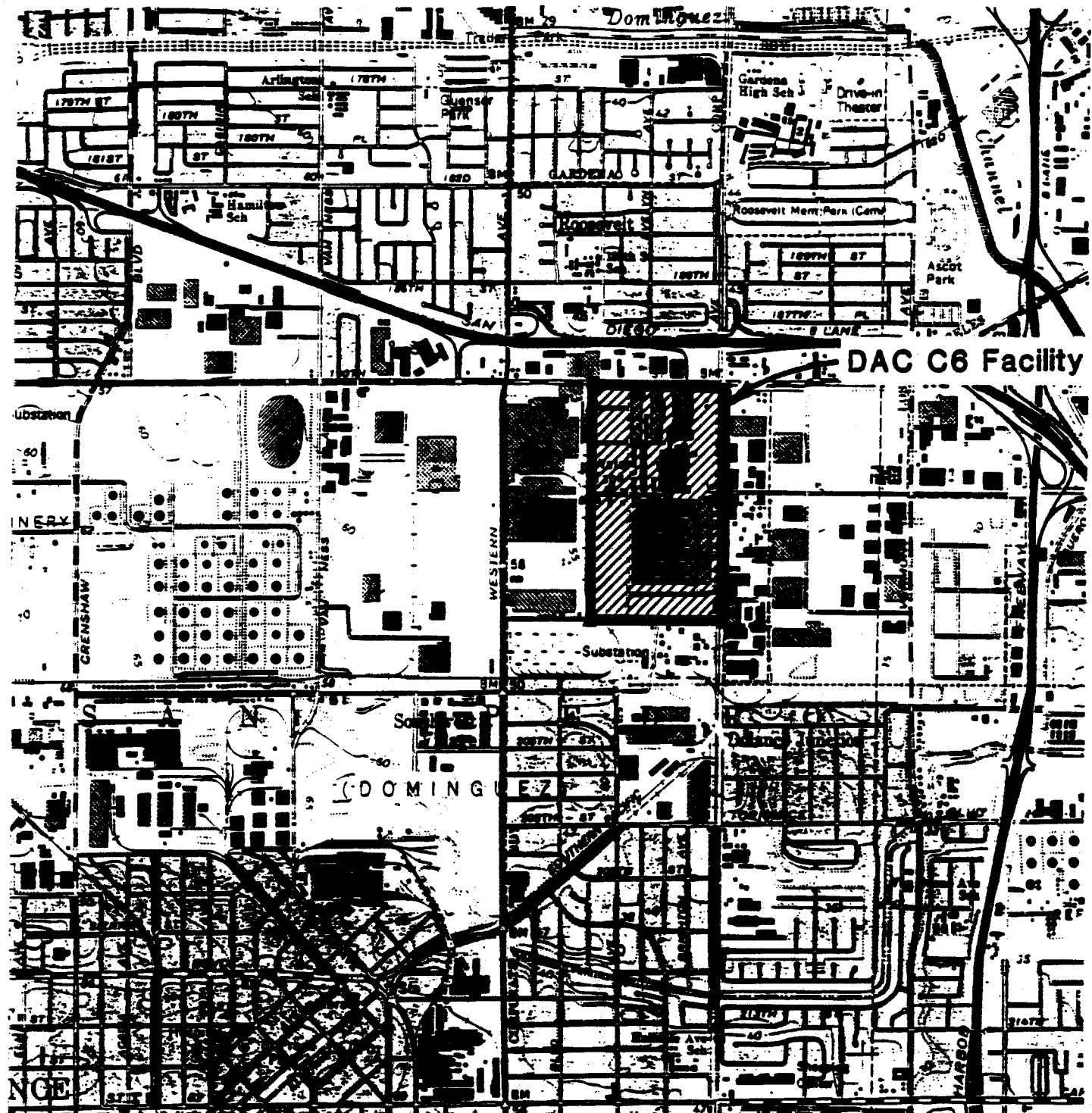


0 1,000 2,000 FEET

Base Map: U.S.G.S. 7.5 Minute Topographic Map,
Torrance, California Quadrangle, 1981.

December 1993
K/J 924010.01

Figure 1



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Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 Facility

Site Vicinity Map

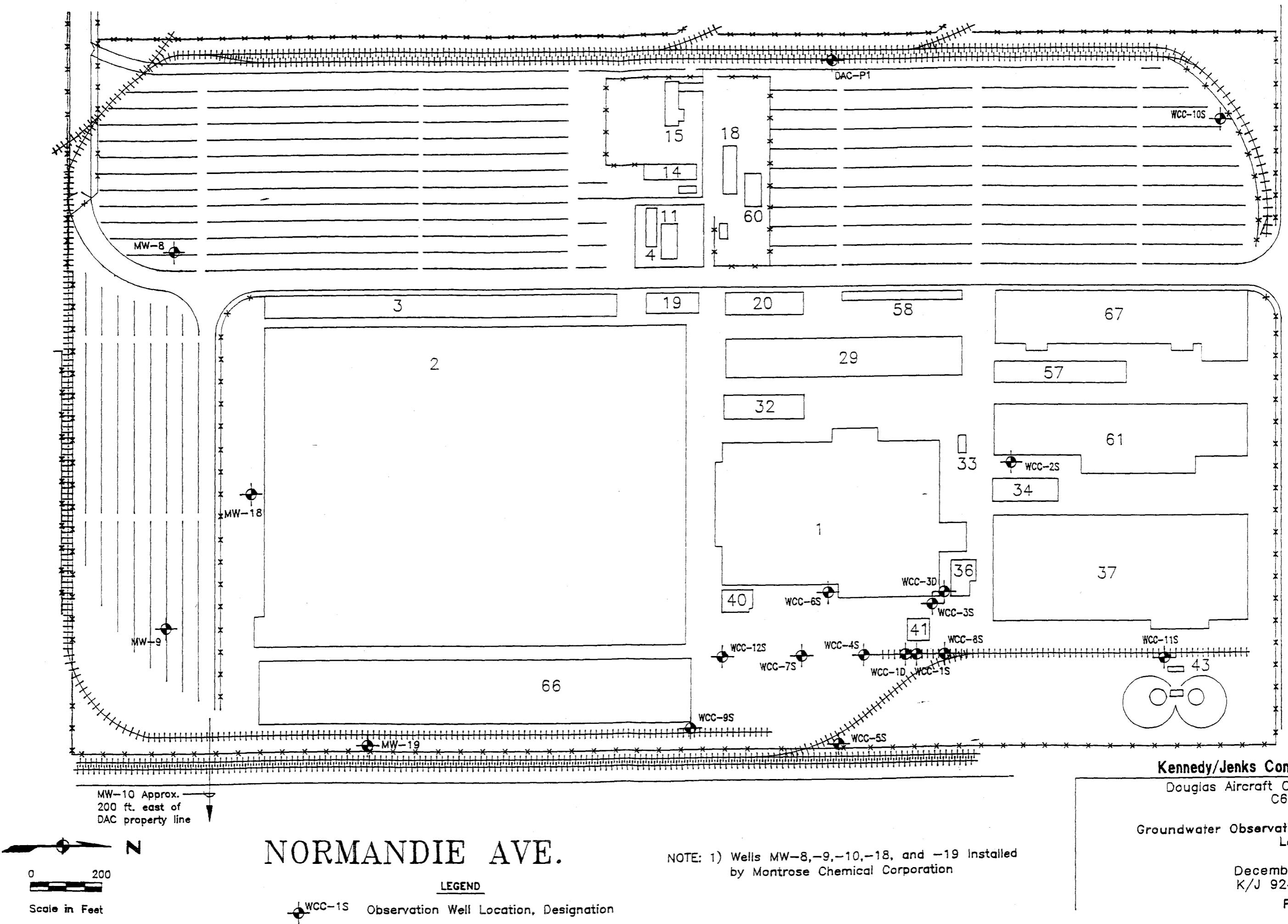
December 1993
K/J 924010.01

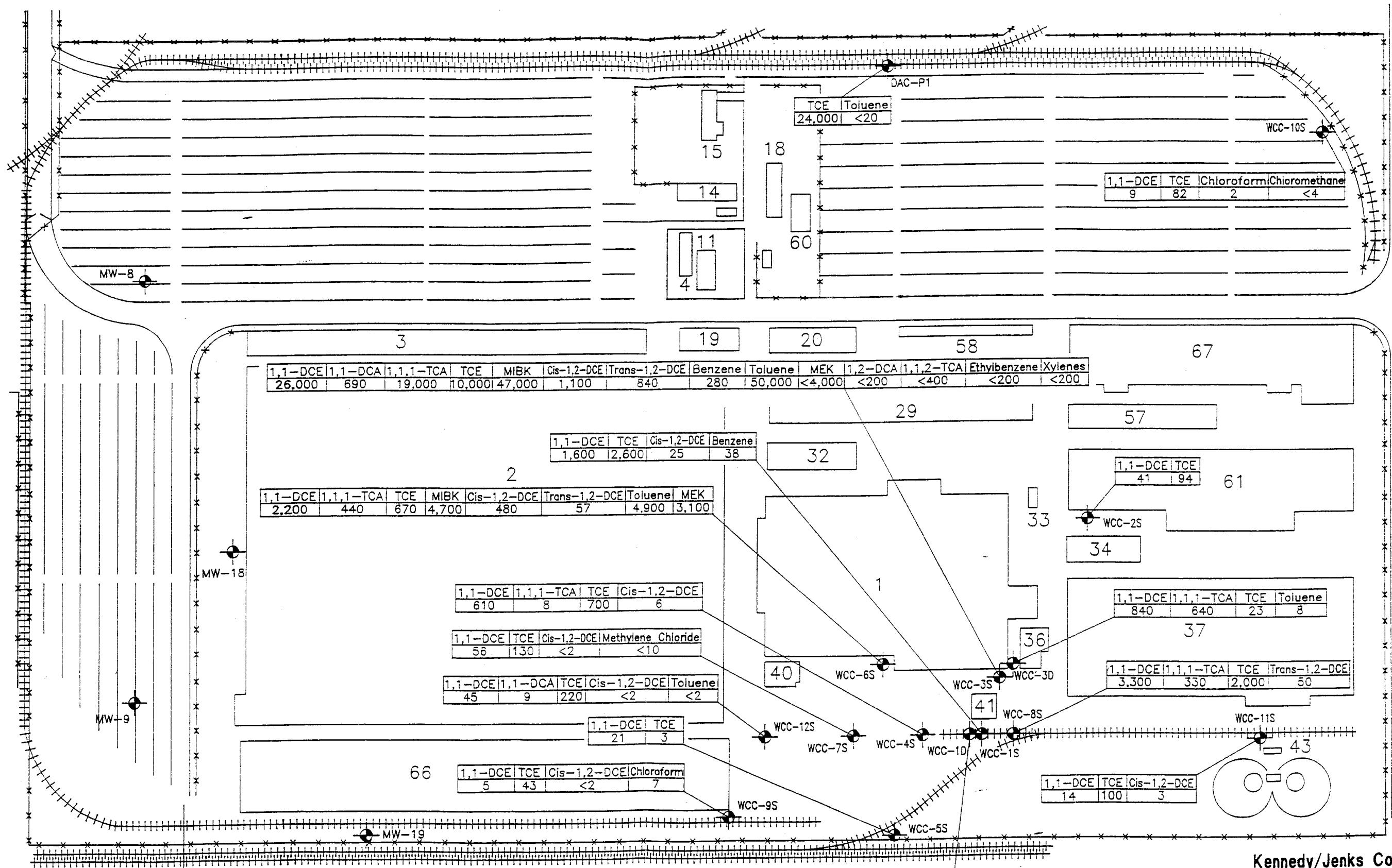
Figure 1

Base Map: U.S.G.S. 7.5 Minute Topographic Map,
Torrance, California Quadrangle, 1981.

BOE-C6-0065149

190 TH. ST.





NORMANDIE AVE.

NOTES:

1. Samples Analyzed by EPA Method 8240/8260
2. All Results Reported in ug/l (ppb)
3. Wells MW-8,-9,-10,-18 and -19 Installed by Montrose Chemical Corporation and are not sampled by Douglas Aircraft Co.
4. Duplicate samples were analyzed for well WCC-3S.
5. <2=compound not detected at a quantitation limit of 2 ug/l. Nondetects posted only for VOCs detected in the well in the previous sample round.

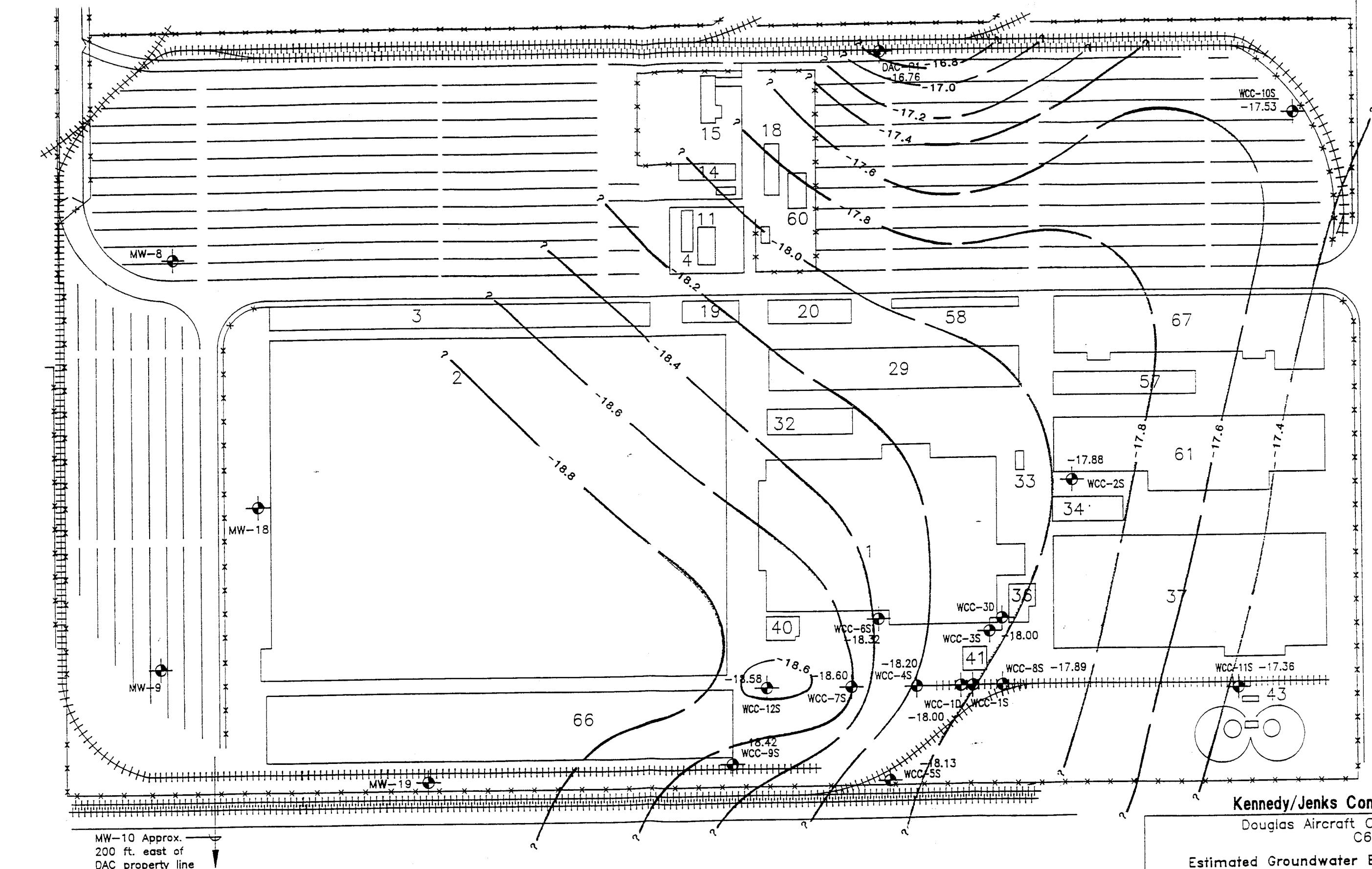
Kennedy/Jenks Consultants

Douglas Aircraft Company
C6 FacilityObservation Well Chemical
Concentrations August 1993
Sampling Event

December 1993

K/J 924010.01

Figure 3



NORMANDIE AVE.

LEGEND

Scale in Feet

Scale in Feet

WCC-1S
-18.00

Observation Well Location, Designation
and groundwater elevation, feet MSL,
measured 11/18/93.

NOTE: 1) Wells MW-8,-9,-10,-18, and -19 installed by Montrose Chemical Corporation

2) Contour Interval = 0.2 feet

Estimated Groundwater Elevation
Contour Map, Shallow Zone August 1993

Kennedy/Jenks Consultants
Douglas Aircraft Company
C6 Facility

December 1993
K/J 924010.01

Figure 4

APPENDIX A

LABORATORY DATA SHEETS

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714

Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A

Date Sampled: 11/19/93
Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 1S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
Acetone	67-64-1	ND	400
Benzene	71-43-2	38	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	ND	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	1,600	40
cis-1,2-Dichloroethene	156-59-2	25	20
trans-1,2-Dichloroethene	156-60-5	ND	20

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 1S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-6	ND	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	2,600	20
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzenes	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 2S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromochloromethane	75-27-4	ND	2.0
Bromodichloromethane	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	41	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 2S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	94	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 3S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	4,000
Benzene	71-43-2	280	200
Bromobenzene	108-86-1	ND	200
Bromochloromethane	74-97-5	ND	400
Bromodichloromethane	75-27-4	ND	200
Bromoform	75-25-2	ND	200
Bromomethane	74-83-9	ND	400
2-Butanone	78-93-3	ND	4,000
n-Butylbenzene	104-51-8	ND	200
sec-Butylbenzene	135-98-8	ND	200
tert-Butylbenzene	98-06-6	ND	200
Carbon tetrachloride	56-23-5	ND	200
Carbon disulfide	75-15-0	ND	200
Chlorobenzene	108-90-7	ND	200
Chloroethane	75-00-3	ND	400
Chloroform	67-66-3	ND	200
Chloromethane	74-87-3	ND	400
2-Chlorotoluene	95-49-8	ND	200
4-Chlorotoluene	106-43-4	ND	200
Dibromochloromethane	124-48-01	ND	200
1,2-Dibromo-3-chloropropane	96-12-8	ND	400
Dibromomethane	74-95-3	ND	200
1,2-Dibromoethane	106-93-4	ND	200
1,2-Dichlorobenzene	95-50-1	ND	200
1,3-Dichlorobenzene	541-73-1	ND	200
1,4-Dichlorobenzene	106-46-7	ND	200
Dichlorodifluoromethane	75-71-8	ND	200
1,1-Dichloroethane	75-34-3	690	200
1,2-Dichloroethane	107-06-2	ND	200
1,1-Dichloroethene	75-35-4	26,000	400
cis-1,2-Dichloroethene	156-59-2	1,100	200
trans-1,2-Dichloroethene	156-60-5	840	200

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
 Client Address: 17310 Red Hill Avenue, Suite 220
 Irvine, CA 92714

Report Date: 12/3/93
 Lab P.N.: 5995
 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
 Project Address: N/A

Date Sampled: 11/19/93
 Date Analyzed: 11/30/93
 Physical State: Liquid

Sample ID: WCC 3S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	200
1,3-Dichloropropane	142-28-9	ND	200
2,2-Dichloropropane	594-20-7	ND	200
1,1-Dichloropropene	563-58-6	ND	200
cis-1,3-Dichloropropene	10061-01-5	ND	200
trans-1,3-Dichloropropene	10061-02-6	ND	200
Ethylbenzene	100-41-4	ND	200
Hexachlorobutadiene	87-68-3	ND	400
2-Hexanone	591-78-6	ND	2000
Isopropylbenzene	98-82-8	ND	200
p-Isopropyltoluene	99-87-6	ND	200
Methylene chloride	75-09-2	ND	1,000
4-Methyl-2-pentanone	108-10-1	47,000	2,000
Naphthalene	91-20-3	ND	200
n-Propylbenzene	103-65-1	ND	200
Styrene	100-42-5	ND	200
1,1,1,2-Tetrachloroethane	630-20-6	ND	200
1,1,2,2-Tetrachloroethane	79-34-5	ND	200
Tetrachloroethene	127-18-4	ND	200
Toluene	108-88-3	50,000	200
1,2,3-Trichlorobenzene	87-61-6	ND	200
1,2,4-Trichlorobenzene	120-82-1	ND	200
1,1,1-Trichloroethane	71-55-6	19,000	200
1,1,2-Trichloroethane	79-00-5	ND	400
Trichloroethene	79-01-6	10,000	200
Trichlorofluoromethane	75-69-4	ND	200
1,2,3-Trichloropropane	96-18-4	ND	200
1,2,4-Trimethylbenzene	95-63-6	ND	200
1,3,5-Trimethylbenzene	108-67-8	ND	200
Vinyl chloride	75-01-4	ND	400
o-Xylene	95-47-6	ND	200
p,m-Xylene	108-38-3, 106-42-3	ND	200

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 4S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	Conc.	Quantitation limit
Acetone	67-64-1	ND	80
Benzene	71-43-2	4.0	4.0
Bromobenzene	108-86-1	ND	4.0
Bromo-chloromethane	74-97-5	ND	8.0
Bromo-dichloromethane	75-27-4	ND	4.0
Bromoform	75-25-2	ND	4.0
Bromomethane	74-83-9	ND	8.0
2-Butanone	78-93-3	ND	80
n-Butylbenzene	104-51-8	ND	4.0
sec-Butylbenzene	135-98-8	ND	4.0
tert-Butylbenzene	98-06-6	ND	4.0
Carbon tetrachloride	56-23-5	ND	4.0
Carbon disulfide	75-15-0	ND	4.0
Chlorobenzene	108-90-7	ND	4.0
Chloroethane	75-00-3	ND	8.0
Chloroform	67-66-3	ND	4.0
Chloromethane	74-87-3	ND	8.0
2-Chlorotoluene	95-49-8	ND	4.0
4-Chlorotoluene	106-43-4	ND	4.0
Dibromo-chloromethane	124-48-01	ND	4.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	8.0
Dibromomethane	74-95-3	ND	4.0
1,2-Dibromoethane	106-93-4	ND	4.0
1,2-Dichlorobenzene	95-50-1	ND	4.0
1,3-Dichlorobenzene	541-73-1	ND	4.0
1,4-Dichlorobenzene	106-46-7	ND	4.0
Dichlorodifluoromethane	75-71-8	ND	4.0
1,1-Dichloroethane	75-34-3	17	4.0
1,2-Dichloroethane	107-06-2	ND	4.0
1,1-Dichloroethene	75-35-4	610	8.0
cis-1,2-Dichloroethene	156-59-2	6.0	4.0
trans-1,2-Dichloroethene	156-60-5	5.0	4.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 4S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	4.0
1,3-Dichloropropane	142-28-9	ND	4.0
2,2-Dichloropropane	594-20-7	ND	4.0
1,1-Dichloropropene	563-58-6	ND	4.0
cis-1,3-Dichloropropene	10061-01-5	ND	4.0
trans-1,3-Dichloropropene	10061-02-6	ND	4.0
Ethylbenzene	100-41-4	ND	4.0
Hexachlorobutadiene	87-68-3	ND	8.0
2-Hexanone	591-78-6	ND	40
Isopropylbenzene	98-82-8	ND	4.0
p-Isopropyltoluene	99-87-6	ND	4.0
Methylene chloride	75-09-2	ND	20
4-Methyl-2-pentanone	108-10-1	ND	40
Naphthalene	91-20-3	ND	4.0
n-Propylbenzene	103-65-1	ND	4.0
Styrene	100-42-5	ND	4.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	4.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	4.0
Tetrachloroethene	127-18-4	ND	4.0
Toluene	108-88-3	9.0	4.0
1,2,3-Trichlorobenzene	87-61-6	ND	4.0
1,2,4-Trichlorobenzene	120-82-1	ND	4.0
1,1,1-Trichloroethane	71-55-6	8.0	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	700	4.0
Trichlorofluoromethane	75-69-4	ND	4.0
1,2,3-Trichloropropane	96-18-4	ND	4.0
1,2,4-Trimethylbenzene	95-63-6	ND	4.0
1,3,5-Trimethylbenzene	108-67-8	ND	4.0
Vinyl chloride	75-01-4	ND	8.0
o-Xylene	95-47-6	ND	4.0
p,m-Xylene	108-38-3, 106-42-3	ND	4.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 5S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromochloromethane	75-27-4	ND	2.0
Bromodichloromethane	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	21	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client:	Kennedy/Jenks Consultants	Report Date:	12/3/93
Client Address:	17310 Red Hill Avenue, Suite 220	Lab P.N.:	5995
	Irvine, CA 92714	Client P.N.:	924010.00

Project Name:	Douglas Aircraft Company	Date Sampled:	11/18/93
Project Address:	N/A	Date Analyzed:	11/23/93
		Physical State:	Liquid

Sample ID: WCC 5S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropane	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	3.0	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
 Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
 Client P.N.: 924010.00
 Irvine, CA 92714

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
 Project Address: N/A Date Analyzed: 12/1/93
 Physical State: Liquid

Sample ID: WCC 6S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	200
Benzene	71-43-2	24	10
Bromobenzene	108-86-1	ND	10
Bromoform	74-97-5	ND	20
Bromochloromethane	75-27-4	ND	10
Bromodichloromethane	75-25-2	ND	10
Bromomethane	74-83-9	ND	20
2-Butanone	78-93-3	3,100	200
n-Butylbenzene	104-51-8	ND	10
sec-Butylbenzene	135-98-8	ND	10
tert-Butylbenzene	98-06-6	ND	10
Carbon tetrachloride	56-23-5	ND	10
Carbon disulfide	75-15-0	ND	10
Chlorobenzene	108-90-7	ND	10
Chloroethane	75-00-3	ND	20
Chloroform	67-66-3	ND	10
Chloromethane	74-87-3	ND	20
2-Chlorotoluene	95-49-8	ND	10
4-Chlorotoluene	106-43-4	ND	10
Dibromochloromethane	124-48-01	ND	10
1,2-Dibromo-3-chloropropane	96-12-8	ND	20
Dibromomethane	74-95-3	ND	10
1,2-Dibromoethane	106-93-4	ND	10
1,2-Dichlorobenzene	95-50-1	ND	10
1,3-Dichlorobenzene	541-73-1	ND	10
1,4-Dichlorobenzene	106-46-7	ND	10
Dichlorodifluoromethane	75-71-8	ND	10
1,1-Dichloroethane	75-34-3	42	10
1,2-Dichloroethane	107-06-2	37	10
1,1-Dichloroethene	75-35-4	2,200	20
cis-1,2-Dichloroethene	156-59-2	480	10
trans-1,2-Dichloroethene	156-60-5	57	10

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A Date Sampled: 11/19/93
Date Analyzed: 12/1/93
Physical State: Liquid

Sample ID: WCC 6S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	10
1,3-Dichloropropane	142-28-9	ND	10
2,2-Dichloropropane	594-20-7	ND	10
1,1-Dichloropropene	563-58-6	ND	10
cis-1,3-Dichloropropene	10061-01-5	ND	10
trans-1,3-Dichloropropene	10061-02-6	ND	10
Ethylbenzene	100-41-4	ND	10
Hexachlorobutadiene	87-68-3	ND	20
2-Hexanone	591-78-6	ND	100
Isopropylbenzene	98-82-8	ND	10
p-Isopropyltoluene	99-87-6	ND	10
Methylene chloride	75-09-2	ND	50
4-Methyl-2-pentanone	108-10-1	4,700	100
Naphthalene	91-20-3	ND	10
n-Propylbenzene	103-65-1	ND	10
Styrene	100-42-5	ND	10
1,1,1,2-Tetrachloroethane	630-20-6	ND	10
1,1,2,2-Tetrachloroethane	79-34-5	ND	10
Tetrachloroethene	127-18-4	ND	10
Toluene	108-88-3	4,900	40
1,2,3-Trichlorobenzene	87-61-6	ND	10
1,2,4-Trichlorobenzene	120-82-1	ND	10
1,1,1-Trichloroethane	71-55-6	440	10
1,1,2-Trichloroethane	79-00-5	ND	20
Trichloroethene	79-01-6	670	10
Trichlorofluoromethane	75-69-4	ND	10
1,2,3-Trichloropropane	96-18-4	ND	10
1,2,4-Trimethylbenzene	95-63-6	ND	10
1,3,5-Trimethylbenzene	108-67-8	ND	10
Vinyl chloride	75-01-4	ND	20
o-Xylene	95-47-6	ND	10
p,m-Xylene	108-38-3, 106-42-3	ND	10

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/24/93
Physical State: Liquid

Sample ID: WCC 7S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromo-chloromethane	74-97-5	ND	4.0
Bromo-dichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromo-chloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	56	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/24/93
Physical State: Liquid

Sample ID: WCC 7S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	130	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzenes	95-63-6	ND	2.0
1,3,5-Trimethylbenzenes	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: WCC 8S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	400
Benzene	71-43-2	24	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	ND	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	3,300	40
cis-1,2-Dichloroethene	156-59-2	ND	20
trans-1,2-Dichloroethene	156-60-5	50	20

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
 Client Address: 17310 Red Hill Avenue, Suite 220
 Irvine, CA 92714 Report Date: 12/3/93
 Lab P.N.: 5995
 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
 Project Address: N/A Date Sampled: 11/19/93
 Date Analyzed: 11/30/93
 Physical State: Liquid

Sample ID: WCC 8S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-8	330	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	2,000	20
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzene	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 9S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromochloromethane	75-27-4	ND	2.0
Bromodichloromethane	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	7.0	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	5.0	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 9S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	43	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 10S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	2.0	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	9.0	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
 Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
 Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
 Project Address: N/A Date Analyzed: 11/23/93
 Physical State: Liquid

Sample ID: WCC 10S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	82	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714

Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A

Date Sampled: 11/19/93
Date Analyzed: 11/22/93
Physical State: Liquid

Sample ID: WCC 11S-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethene	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	14	4.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/22/93
Physical State: Liquid

Sample ID: WCC 11S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	100	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 12S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromochloromethane	75-27-4	ND	2.0
Bromodichloromethane	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	9.0	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	45	4.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



LABORATORY RESULTS

Sample ID: WCC 12S-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	220	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DAC P1-7

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
Acetone	67-64-1	ND	400
Benzene	71-43-2	ND	20
Bromobenzene	108-86-1	ND	20
Bromochloromethane	74-97-5	ND	40
Bromodichloromethane	75-27-4	ND	20
Bromoform	75-25-2	ND	20
Bromomethane	74-83-9	ND	40
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	20
sec-Butylbenzene	135-98-8	ND	20
tert-Butylbenzene	98-06-6	ND	20
Carbon tetrachloride	56-23-5	ND	20
Carbon disulfide	75-15-0	ND	20
Chlorobenzene	108-90-7	ND	20
Chloroethane	75-00-3	ND	40
Chloroform	67-66-3	52	20
Chloromethane	74-87-3	ND	40
2-Chlorotoluene	95-49-8	ND	20
4-Chlorotoluene	106-43-4	ND	20
Dibromochloromethane	124-48-01	ND	20
1,2-Dibromo-3-chloropropane	96-12-8	ND	40
Dibromomethane	74-95-3	ND	20
1,2-Dibromoethane	106-93-4	ND	20
1,2-Dichlorobenzene	95-50-1	ND	20
1,3-Dichlorobenzene	541-73-1	ND	20
1,4-Dichlorobenzene	106-46-7	ND	20
Dichlorodifluoromethane	75-71-8	ND	20
1,1-Dichloroethane	75-34-3	ND	20
1,2-Dichloroethane	107-06-2	ND	20
1,1-Dichloroethene	75-35-4	ND	40
cis-1,2-Dichloroethene	156-59-2	81	20
trans-1,2-Dichloroethene	156-60-5	ND	20

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DAC P1-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	20
1,3-Dichloropropane	142-28-9	ND	20
2,2-Dichloropropane	594-20-7	ND	20
1,1-Dichloropropene	563-58-6	ND	20
cis-1,3-Dichloropropene	10061-01-5	ND	20
trans-1,3-Dichloropropene	10061-02-6	ND	20
Ethylbenzene	100-41-4	ND	20
Hexachlorobutadiene	87-68-3	ND	40
2-Hexanone	591-78-6	ND	200
Isopropylbenzene	98-82-8	ND	20
p-Isopropyltoluene	99-87-6	ND	20
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	200
Naphthalene	91-20-3	ND	20
n-Propylbenzene	103-65-1	ND	20
Styrene	100-42-5	ND	20
1,1,1,2-Tetrachloroethane	630-20-6	ND	20
1,1,2,2-Tetrachloroethane	79-34-5	ND	20
Tetrachloroethene	127-18-4	ND	20
Toluene	108-88-3	ND	20
1,2,3-Trichlorobenzene	87-61-6	ND	20
1,2,4-Trichlorobenzene	120-82-1	ND	20
1,1,1-Trichloroethane	71-55-6	ND	20
1,1,2-Trichloroethane	79-00-5	ND	40
Trichloroethene	79-01-6	24,000	200
Trichlorofluoromethane	75-69-4	ND	20
1,2,3-Trichloropropane	96-18-4	ND	20
1,2,4-Trimethylbenzene	95-63-6	ND	20
1,3,5-Trimethylbenzene	108-67-8	ND	20
Vinyl chloride	75-01-4	ND	40
o-Xylene	95-47-6	ND	20
p,m-Xylene	108-38-3, 106-42-3	ND	20

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 1D-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	880	8.0
cis-1,2-Dichloroethene	156-59-2	3.0	2.0
trans-1,2-Dichloroethene	156-60-5	3.0	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 1D-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	16	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	110	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714

Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A

Date Sampled: 11/18/93
Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 3D-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	610	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	4.0	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714

Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A

Date Sampled: 11/18/93
Date Analyzed: 11/23/93
Physical State: Liquid

Sample ID: WCC 3D-7

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethylene	127-18-4	ND	2.0
Toluene	108-88-3	6.0	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	410	4.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethylene	79-01-6	17	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

APPENDIX B

**LABORATORY/FIELD QUALITY CONTROL
DATA SHEETS**



Corporate Office
1920 E. Deere Ave. Suite 130 ▲ Santa Ana, California 92705
Tel: 714 757 7022 ▲ Fax: 714 757 7274

Phoenix, AZ
3902 E. University Drive, Suite 4 ▲ Phoenix, Arizona 85034
Tel: 602 437 3367 ▲ Fax: 602 437 3362

LABORATORY REPORT

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Contact: Sarah Bartling

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93-11/19/93
Project Address: N/A Date Received: 11/19/93
Date Analyzed: 11/22/93-12/1/93
Physical State: Liquid

Quality Assurance/Quality Control Summary

Parameter (Method)	QC Type	Percent Recovery	Duplicate	Relative	
			Percent Recovery	Acceptable Range	Percent Difference
1,1, Dichloroethene (EPA 8240/8260)	L	63	70	50-127	11
Trichloroethene (EPA 8240/8260)	L	85	96	64-137	12
Benzene (EPA 8240/8260)	L	85	95	80-121	11
Toluene (EPA 8240/8260)	L	87	97	82-118	11
Chlorobenzene (EPA 8240/8260)	L	96	106	85-119	9
1,1, Dichloroethene (EPA 8240/8260)	M	87	90	50-127	3
Trichloroethene (EPA 8240/8260)	M	97	103	64-137	6
Benzene (EPA 8240/8260)	M	89	96	80-121	7
Toluene (EPA 8240/8260)	M	91	98	82-118	7
Chlorobenzene (EPA 8240/8260)	M	92	100	85-119	9

M = Matrix Spike / Matrix Spike Duplicate

L = Laboratory Control Sample Spike / Spike Duplicate

Reviewed

Approved

The samples were received by TERRA TECH LABS, Inc. in a chilled state, intact and accompanied by the Chain-of-Custody Record.

Acceptance of samples by Terra Tech Labs, Inc. is not an indication of condition upon receipt.

Laboratory Results apply only to the sample matrix analyzed and may not apply to an apparently identical or similar sample.

The Laboratory Report is the property of the client to whom it is addressed.

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/22/93
Physical State: Liquid

Sample ID: FB-111993

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	ND	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/22/93
Physical State: Liquid

Sample ID: FB-111993

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	ND	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/19/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DW-111993

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromoform	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromomethane	75-25-2	ND	2.0
2-Butanone	74-83-9	ND	4.0
n-Butylbenzene	78-93-3	ND	40
sec-Butylbenzene	104-51-8	ND	2.0
tert-Butylbenzene	135-98-8	ND	2.0
Carbon tetrachloride	98-06-6	ND	2.0
Carbon disulfide	56-23-5	ND	2.0
Chlorobenzene	75-15-0	ND	2.0
Chloroethane	108-90-7	ND	2.0
Chloroform	75-00-3	ND	4.0
Chloromethane	75-66-3	ND	2.0
2-Chlorotoluene	74-87-3	ND	4.0
4-Chlorotoluene	95-49-8	ND	2.0
Dibromochloromethane	106-43-4	ND	2.0
1,2-Dibromo-3-chloropropane	124-48-01	ND	2.0
Dibromomethane	96-12-8	ND	4.0
1,2-Dibromoethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	75-34-3	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	107-06-2	ND	2.0
Dichlorodifluoromethane	106-46-7	ND	2.0
1,1-Dichloroethane	75-71-8	ND	2.0
1,2-Dichloroethane	75-35-4	14	8.0
1,1-Dichloroethene	156-59-2	3.0	2.0
cis-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company
Project Address: N/A Date Sampled: 11/19/93
Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DW-111993

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	100	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.



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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/22/93
Physical State: Liquid

Sample ID: FB-111893

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
Acetone	67-64-1	ND	40
Benzene	71-43-2	ND	2.0
Bromobenzene	108-86-1	ND	2.0
Bromochloromethane	74-97-5	ND	4.0
Bromodichloromethane	75-27-4	ND	2.0
Bromoform	75-25-2	ND	2.0
Bromomethane	74-83-9	ND	4.0
2-Butanone	78-93-3	ND	40
n-Butylbenzene	104-51-8	ND	2.0
sec-Butylbenzene	135-98-8	ND	2.0
tert-Butylbenzene	98-06-6	ND	2.0
Carbon tetrachloride	56-23-5	ND	2.0
Carbon disulfide	75-15-0	ND	2.0
Chlorobenzene	108-90-7	ND	2.0
Chloroethane	75-00-3	ND	4.0
Chloroform	67-66-3	ND	2.0
Chloromethane	74-87-3	ND	4.0
2-Chlorotoluene	95-49-8	ND	2.0
4-Chlorotoluene	106-43-4	ND	2.0
Dibromochloromethane	124-48-01	ND	2.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	4.0
Dibromomethane	74-95-3	ND	2.0
1,2-Dibromoethane	106-93-4	ND	2.0
1,2-Dichlorobenzene	95-50-1	ND	2.0
1,3-Dichlorobenzene	541-73-1	ND	2.0
1,4-Dichlorobenzene	106-46-7	ND	2.0
Dichlorodifluoromethane	75-71-8	ND	2.0
1,1-Dichloroethane	75-34-3	ND	2.0
1,2-Dichloroethane	107-06-2	ND	2.0
1,1-Dichloroethene	75-35-4	ND	8.0
cis-1,2-Dichloroethene	156-59-2	ND	2.0
trans-1,2-Dichloroethene	156-60-5	ND	2.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

LABORATORY RESULTS

Client: Kennedy/Jenks Consultants Report Date: 12/3/93
Client Address: 17310 Red Hill Avenue, Suite 220 Lab P.N.: 5995
Irvine, CA 92714 Client P.N.: 924010.00

Sample ID: FB-111893

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
1,2-Dichloropropane	78-87-5	ND	2.0
1,3-Dichloropropane	142-28-9	ND	2.0
2,2-Dichloropropane	594-20-7	ND	2.0
1,1-Dichloropropene	563-58-6	ND	2.0
cis-1,3-Dichloropropene	10061-01-5	ND	2.0
trans-1,3-Dichloropropene	10061-02-6	ND	2.0
Ethylbenzene	100-41-4	ND	2.0
Hexachlorobutadiene	87-68-3	ND	4.0
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	2.0
p-Isopropyltoluene	99-87-6	ND	2.0
Methylene chloride	75-09-2	ND	10
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	2.0
n-Propylbenzene	103-65-1	ND	2.0
Styrene	100-42-5	ND	2.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	2.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	2.0
Tetrachloroethene	127-18-4	ND	2.0
Toluene	108-88-3	ND	2.0
1,2,3-Trichlorobenzene	87-61-6	ND	2.0
1,2,4-Trichlorobenzene	120-82-1	ND	2.0
1,1,1-Trichloroethane	71-55-6	ND	2.0
1,1,2-Trichloroethane	79-00-5	ND	4.0
Trichloroethene	79-01-6	ND	2.0
Trichlorofluoromethane	75-69-4	ND	2.0
1,2,3-Trichloropropane	96-18-4	ND	2.0
1,2,4-Trimethylbenzene	95-63-6	ND	2.0
1,3,5-Trimethylbenzene	108-67-8	ND	2.0
Vinyl chloride	75-01-4	ND	4.0
o-Xylene	95-47-6	ND	2.0
p,m-Xylene	108-38-3, 106-42-3	ND	2.0

ND: Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DW-111893

Volatile Organic Compounds, EPA 8240/8260

<u>Parameter</u>	<u>CAS #</u>	<u>Conc.</u>	<u>Quantitation limit</u>
Acetone	67-64-1	ND	80
Benzene	71-43-2	ND	4.0
Bromobenzene	108-86-1	ND	4.0
Bromochloromethane	74-97-5	ND	8.0
Bromodichloromethane	75-27-4	ND	4.0
Bromoform	75-25-2	ND	4.0
Bromomethane	74-83-9	ND	8.0
2-Butanone	78-93-3	ND	80
n-Butylbenzene	104-51-8	ND	4.0
sec-Butylbenzene	135-98-8	ND	4.0
tert-Butylbenzene	98-06-6	ND	4.0
Carbon tetrachloride	56-23-5	ND	4.0
Carbon disulfide	75-15-0	ND	4.0
Chlorobenzene	108-90-7	ND	4.0
Chloroethane	75-00-3	ND	8.0
Chloroform	67-66-3	ND	4.0
Chloromethane	74-87-3	ND	8.0
2-Chlorotoluene	95-49-8	ND	4.0
4-Chlorotoluene	106-43-4	ND	4.0
Dibromochloromethane	124-48-01	ND	4.0
1,2-Dibromo-3-chloropropane	96-12-8	ND	8.0
Dibromomethane	74-95-3	ND	4.0
1,2-Dibromoethane	106-93-4	ND	4.0
1,2-Dichlorobenzene	95-50-1	ND	4.0
1,3-Dichlorobenzene	541-73-1	ND	4.0
1,4-Dichlorobenzene	106-46-7	ND	4.0
Dichlorodifluoromethane	75-71-8	ND	4.0
1,1-Dichloroethane	75-34-3	ND	4.0
1,2-Dichloroethane	107-06-2	ND	4.0
1,1-Dichloroethene	75-35-4	840	200
cis-1,2-Dichloroethene	156-59-2	ND	4.0
trans-1,2-Dichloroethene	156-60-5	4.0	4.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

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LABORATORY RESULTS

Client: Kennedy/Jenks Consultants
Client Address: 17310 Red Hill Avenue, Suite 220
Irvine, CA 92714 Report Date: 12/3/93
Lab P.N.: 5995
Client P.N.: 924010.00

Project Name: Douglas Aircraft Company Date Sampled: 11/18/93
Project Address: N/A Date Analyzed: 11/30/93
Physical State: Liquid

Sample ID: DW-111893

Volatile Organic Compounds, EPA 8240/8260

Parameter	CAS #	Conc.	Quantitation limit
1,2-Dichloropropane	78-87-5	ND	4.0
1,3-Dichloropropane	142-28-9	ND	4.0
2,2-Dichloropropane	594-20-7	ND	4.0
1,1-Dichloropropene	563-58-6	ND	4.0
cis-1,3-Dichloropropene	10061-01-5	ND	4.0
trans-1,3-Dichloropropene	10061-02-6	ND	4.0
Ethylbenzene	100-41-4	ND	4.0
Hexachlorobutadiene	87-68-3	ND	8.0
2-Hexanone	591-78-6	ND	40
Isopropylbenzene	98-82-8	ND	4.0
p-Isopropyltoluene	99-87-6	ND	4.0
Methylene chloride	75-09-2	ND	20
4-Methyl-2-pentanone	108-10-1	ND	40
Naphthalene	91-20-3	ND	4.0
n-Propylbenzene	103-65-1	ND	4.0
Styrene	100-42-5	ND	4.0
1,1,1,2-Tetrachloroethane	630-20-6	ND	4.0
1,1,2,2-Tetrachloroethane	79-34-5	ND	4.0
Tetrachloroethene	127-18-4	ND	4.0
Toluene	108-88-3	8.0	4.0
1,2,3-Trichlorobenzene	87-61-6	ND	4.0
1,2,4-Trichlorobenzene	120-82-1	ND	4.0
1,1,1-Trichloroethane	71-55-6	640	4.0
1,1,2-Trichloroethane	79-00-5	ND	8.0
Trichloroethene	79-01-6	23	4.0
Trichlorofluoromethane	75-69-4	ND	4.0
1,2,3-Trichloropropane	96-18-4	ND	4.0
1,2,4-Trimethylbenzene	95-63-6	ND	4.0
1,3,5-Trimethylbenzene	108-67-8	ND	4.0
Vinyl chloride	75-01-4	ND	8.0
o-Xylene	95-47-6	ND	4.0
p,m-Xylene	108-38-3, 106-42-3	ND	4.0

ND; Not Detectable

The Laboratory Results are only a portion of the Laboratory Report.

APPENDIX C
GROUNDWATER PURGE AND SAMPLE FORMS

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: Douglas Aircraft

WELL NUMBER: DAC -P1

PROJECT NUMBER: 924010.00

PERSONNEL: Shane

STATIC WATER LEVEL (FT): 69.20

MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe

PURGE METHOD: Reci.-Flow thru stainless pipe

TIME START PURGE: 1609

PURGE DEPTH (FT) 50

TIME END PURGE: 1633

TIME SAMPLED: 1642

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
	90.00	69.20	20.80	X	0.16	0.64	1.44
TIME	1613	1616	1620	1625	1628	1631	
VOLUME PURGED (GAL)	10	20	25	30	35	45	
PURGE RATE (GPM)							
TEMPERATURE 72.3°F	72.9	72.8	72.0	72.3	72.3	72.3	
pH	7.56	7.39	7.46	7.45	7.55	7.48	
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)	$\times 1000$						
DISSOLVED OXYGEN (mg/L)	4.37	4.29	4.14	4.23	4.24	4.24	
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	
ODOR	NO	NO	NO	NO	NO	NO	
DEPTH OF PURGE INTAKE (FT)	50	80	80	80	50	80	
DEPTH TO WATER DURING PURGE (FT)	50	50					
NUMBER OF CASING VOLUMES REMOVED							-
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: Douglas Aircraft

WELL NUMBER: WCC 15-

PROJECT NUMBER: 424010.00

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.70

MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD: Electronic Probe

PURGE METHOD: stainless point source bailer

TIME START PURGE: 1416

PURGE DEPTH (FT) ~~68~~ 68 - 83TIME END PURGE: ~~1530~~ 1530

TIME SAMPLED: 1540

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
					2	4	6	
	83.70	68.70	15.0		0.16	0.64	1.44	3.0

TIME	1419	1430	1500	1530	1530	
VOLUME PURGED (GAL)	1.0	20	3.0	5.0	10	

PURGE RATE (GPM)						

TEMPERATURE (°C)	78.0	73.6	70.8	70.6	70.1	

pH	7.46	7.50	7.56	7.56	7.55	

SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	4.34	4.13	4.08	3.99	4.03	

DISSOLVED OXYGEN (mg/L)						

eH(MV)Pt-AgCl ref.						

TURBIDITY/COLOR	Yellow brown	Yellow brown	Yellow brown	Yellow brown	Yellow brown	

ODOR	NO	NO	NO	NO	NO	

DEPTH OF PURGE INTAKE (FT)	60.0	68-83	68-83	65-83	65-83	

DEPTH TO WATER DURING PURGE (FT)						

NUMBER OF CASING VOLUMES REMOVED						

DEWATERED?						

PROJECT NAME:	Douglas Aircraft Co.			WELL NUMBER:	924010.00 WCC25			
PROJECT NUMBER:	924010.00			PERSONNEL:	Shane Scrimshire			
STATIC WATER LEVEL (FT):	68.46			MEASURING POINT DESCRIPTION:	Top of Casing			
WATER LEVEL MEASUREMENT METHOD:	Electronic probe			PURGE METHOD:	Redi-Flow thru stainless pipe			
TIME START PURGE:	910			PURGE DEPTH (FT)	78'			
TIME END PURGE:	923							
TIME SAMPLED:	935							
COMMENTS:								
WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)		CASING VOLUME (GAL)	
					2	4		6
					0.16	0.64		1.44
88.80	68.46	20.34					13	
TIME	914	916	917	919	920	922	923	
VOLUME PURGED (GAL)	10	20	24	35	40	450	55	
PURGE RATE (GPM)	5	5	5	5	5	5	5	
TEMPERATURE $^{\circ}$ F	69.8	69.9	72.6	72.5	72.7	72.7	72.5	
pH	7.21	7.36	7.48	7.44	7.48	7.49	7.49	
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	X1000	X1000	X1000					
DISSOLVED OXYGEN (mg/L)	2.75	2.56	2.54	2.52	2.49	2.47	2.48	
eH(MV)Pt-AgCl ref.								
TURBIDITY/COLOR	Clear	Slight yell.	U. light yellow	U. light yellow	U. light yellow	U. light yellow	U. light yellow	
ODOR	NO	NO	NO	NO	NO	NO	NO	
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'	
DEPTH TO WATER DURING PURGE (FT)								
NUMBER OF CASING VOLUMES REMOVED						-		
DEWATERED?								

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: <u>Douglas Aircraft</u>	WELL NUMBER: <u>VCC 35</u>
PROJECT NUMBER: <u>924010.00</u>	PERSONNEL: <u>Shane Scrimshire</u>
STATIC WATER LEVEL (FT): <u>69.20</u>	MEASURING POINT DESCRIPTION: <u>Top of casing</u>
WATER LEVEL MEASUREMENT METHOD: <u>Electronic probe</u>	PURGE METHOD: <u>Redi Flow thru stainless pipe</u>
TIME START PURGE: <u>1313</u>	PURGE DEPTH (FT) <u>78'</u>
TIME END PURGE: <u>1324</u>	
TIME SAMPLED: <u>1340</u>	
COMMENTS:	

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
				0.16	0.64	1.44	
	<u>88.10</u>	<u>69.20</u>	<u>18.90</u>				<u>13</u>

TIME	<u>1315</u>	<u>1317</u>	<u>1319</u>	<u>1320</u>	<u>1321</u>	<u>1322</u>	<u>1324</u>
VOLUME PURGED (GAL)	<u>10</u>	<u>20</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>55</u>
PURGE RATE (GPM)	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
TEMPERATURE (°C)	<u>75.0</u>	<u>74.4</u>	<u>73.9</u>	<u>73.0</u>	<u>73.3</u>	<u>73.2</u>	<u>73.3</u>
pH	<u>6.90</u>	<u>6.61</u>	<u>6.82</u>	<u>6.83</u>	<u>6.75</u>	<u>6.73</u>	<u>6.73</u>
SPECIFIC CONDUCTIVITY (micromhos/cm) (uncorrected)	<u>6.82</u>	<u>6.77</u>	<u>6.54</u>	<u>6.53</u>	<u>6.51</u>	<u>6.42</u>	<u>6.41</u>
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>
ODOR	<u>Strong aromatic</u>	<u>Strong sour odor</u>					
DEPTH OF PURGE INTAKE (FT)	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: <u>Douglas Aircraft Co.</u>	WELL NUMBER: <u>WCC 45</u>																												
PROJECT NUMBER: <u>924010.00</u>	PERSONNEL: <u>Shane Scrimshire</u>																												
STATIC WATER LEVEL (FT): <u>67.85</u>	MEASURING POINT DESCRIPTION: <u>Top of casing (North)</u>																												
WATER LEVEL MEASUREMENT METHOD: <u>Electronic Probe</u>	PURGE METHOD: <u>Redi Flow thru stainless pipe</u>																												
TIME START PURGE: <u>1109</u>	PURGE DEPTH (FT) <u>78'</u>																												
TIME END PURGE: <u>1022 1122</u>																													
TIME SAMPLED: <u>1130</u>																													
COMMENTS:																													
<table border="1"> <thead> <tr> <th rowspan="3">WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)</th> <th rowspan="3">TOTAL DEPTH (FT)</th> <th rowspan="3">DEPTH TO WATER (FT)</th> <th rowspan="3">WATER COLUMN (FT)</th> <th colspan="3">MULTIPLIER FOR CASING DIAMETER (IN)</th> <th rowspan="3">CASING VOLUME (GAL)</th> </tr> <tr> <th>2</th> <th>4</th> <th>6</th> </tr> <tr> <th>0.16</th> <th>0.64</th> <th>1.44</th> </tr> </thead> <tbody> <tr> <td><u>89.76</u></td> <td><u>67.85</u></td> <td><u>21.85</u></td> <td>X</td> <td><u>0.16</u></td> <td><u>0.64</u></td> <td><u>1.44</u></td> <td><u>14</u></td> </tr> </tbody> </table>								WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)	2	4	6	0.16	0.64	1.44	<u>89.76</u>	<u>67.85</u>	<u>21.85</u>	X	<u>0.16</u>	<u>0.64</u>	<u>1.44</u>	<u>14</u>
WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)																						
				2	4	6																							
				0.16	0.64	1.44																							
<u>89.76</u>	<u>67.85</u>	<u>21.85</u>	X	<u>0.16</u>	<u>0.64</u>	<u>1.44</u>	<u>14</u>																						
TIME	<u>1112</u>	<u>1114</u>	<u>1116</u>	<u>1117</u>	<u>1118</u>	<u>1119</u>	<u>1021</u>																						
VOLUME PURGED (GAL)	<u>10</u>	<u>20</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>55</u>																						
PURGE RATE (GPM)	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>																						
TEMPERATURE (°C)	<u>78.9</u>	<u>77.9</u>	<u>77.4</u>	<u>76.7</u>	<u>76.9</u>	<u>76.8</u>	<u>76.8</u>																						
pH	<u>8.0</u>	<u>7.68</u>	<u>7.60</u>	<u>7.45</u>	<u>7.40</u>	<u>7.42</u>	<u>7.43</u>																						
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	<u>4.08</u>	<u>4.02</u>	<u>3.79</u>	<u>3.65</u>	<u>3.59</u>	<u>3.54</u>	<u>3.50</u>																						
DISSOLVED OXYGEN (mg/L)																													
eH(MV)Pt-AgCl ref.																													
TURBIDITY/COLOR	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>																						
ODOR	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>																						
DEPTH OF PURGE INTAKE (FT)	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>																						
DEPTH TO WATER DURING PURGE (FT)																													
NUMBER OF CASING VOLUMES REMOVED																													
DEWATERED?																													

Groundwater Purge and Sample Form

Date: 11/18/93

Kennedy/Jenks Consultants

PROJECT NAME:	Douglas Aircraft	WELL NUMBER:	WWC 50-5
PROJECT NUMBER:	924010.00	PERSONNEL:	Stone Scrimshire
STATIC WATER LEVEL (FT):	66.35	MEASURING POINT DESCRIPTION:	Top of casing
WATER LEVEL MEASUREMENT METHOD:	Electronic Sounder	PURGE METHOD:	Ball-Flow thru stainless pipe
TIME START PURGE:	1436	PURGE DEPTH (FT)	78'
TIME END PURGE:	1447		
TIME SAMPLED:	1504		
COMMENTS:			

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
	89.35	66.35	23	X	0.16	0.84	1.44
TIME	1440	1441	1443	1445	1447		
VOLUME PURGED (GAL)	20	25	35	45	55		
PURGE RATE (GPM)	5.0	5.0	5.0	5.0	5.0		
TEMPERATURE (°C)	73.6	73.5	73.3	72.6	72.4		
pH	7.0	7.0	7.0	7.0	7.0		
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)	2.13	2.13	2.13	2.13	2.13	-	
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear	clear	clear	clear	clear		
ODOR							
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'		
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: <u>Douglas Aircraft</u>	WELL NUMBER: <u>WCC65</u>							
PROJECT NUMBER: <u>924010.00</u>	PERSONNEL: <u>Shane Scrimshire</u>							
STATIC WATER LEVEL (FT): <u>69.27</u>	MEASURING POINT DESCRIPTION: <u>Top of casing</u>							
WATER LEVEL MEASUREMENT METHOD:	PURGE METHOD: <u>Redi Flow thru stainless pipe</u>							
TIME START PURGE: <u>1135</u>	PURGE DEPTH (FT) <u>78'</u>							
TIME END PURGE: <u>1147</u>								
TIME SAMPLED: <u>1206</u>								
COMMENTS:								
WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
					2	4	6	
<u>89.20</u>	<u>69.27</u>	<u>19.93</u>			0.16	0.64	1.44	<u>13</u>
TIME	<u>1135</u>	<u>1140</u>	<u>1142</u>	<u>1143</u>	<u>1144</u>	<u>1145</u>	<u>1146</u>	
VOLUME PURGED (GAL)	<u>10</u>	<u>20</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	<u>50</u>	
PURGE RATE (GPM)	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	
TEMPERATURE (°C)	<u>77.9</u>	<u>75.8</u>	<u>74.8</u>	<u>74.0</u>	<u>74.0</u>	<u>74.1</u>	<u>74.1</u>	
pH	<u>7.74</u>	<u>7.29</u>	<u>7.21</u>	<u>7.15</u>	<u>7.15</u>	<u>7.13</u>	<u>7.13</u>	
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	<u>X 1000</u>	<u>3.72</u>	<u>3.58</u>	<u>3.55</u>	<u>3.51</u>	<u>3.48</u>	<u>3.54</u>	<u>3.53</u>
DISSOLVED OXYGEN (mg/L)								
eH(MV)Pt-AgCl ref.								
TURBIDITY/COLOR	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	
ODOR	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	
DEPTH OF PURGE INTAKE (FT)	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	
DEPTH TO WATER DURING PURGE (FT)								
NUMBER OF CASING VOLUMES REMOVED								
DEWATERED?								

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: Douglas AircraftWELL NUMBER: WCC75PROJECT NUMBER: 924010.00PERSONNEL: Shane SeminarioSTATIC WATER LEVEL (FT): 66.89MEASURING POINT DESCRIPTION: Top of casingWATER LEVEL MEASUREMENT METHOD: Electronic ProbePURGE METHOD: Reidi Flow thru Stainless PipeTIME START PURGE: 1034PURGE DEPTH (FT) 78'TIME END PURGE: 1045TIME SAMPLED: 1050

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
				0.16	0.64	1.44	
	89.90	66.89	23.01				15

TIME	1036	1038	1040	1041	1042	1044	
VOLUME PURGED (GAL)	10	20	30	35	40	50	
PURGE RATE (GPM)	5	5	5	5	5	5	
TEMPERATURE (°C)	72.8	74.5	74.6	74.7	74.2	74.5	
pH	7.54	7.56	7.56	7.46	7.49	7.5	
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	2.86	2.80	2.78	2.75	2.75	2.76	
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	
ODOR	No	No	No	No	No	No	
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: Douglas Aircraft Co.	WELL NUMBER: WCC 85
PROJECT NUMBER: 924010.00	PERSONNEL: Steve Scrimshire
STATIC WATER LEVEL (FT): 68.45	MEASURING POINT DESCRIPTION: Top of Casing (North)
WATER LEVEL MEASUREMENT METHOD: Electronic probe	PURGE METHOD: Recirculation flow thru stainless pipe
TIME START PURGE: 1227	PURGE DEPTH (FT) 78'
TIME END PURGE: 1246	
TIME SAMPLED: 1300	
COMMENTS:	

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
					2	4	6	
	89.15	68.45	20.70		0.16	0.64	1.44	13
TIME	1230	1232	1235	1236	1237	1238	1239	
VOLUME PURGED (GAL)	10	20	35	40	45	50	55	
PURGE RATE (GPM)	5	5	5	5	5	5	5	
TEMPERATURE $^{\circ}$ F	77.0	76.8	77.5	77.2	76.6	76.3	76.2	75.7
pH	7.17	7.13	7.17	7.13	7.05	7.09	7.11	7.11
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)	5.45	5.38	5.07	4.97	4.83	4.67	4.59	
DISSOLVED OXYGEN (mg/L)								
eH(MV)Pt-AgCl ref.								
TURBIDITY/COLOR	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
ODOR	NO	NO	NO	NO	NO	NO	NO	NO
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78	78'	78'	
DEPTH TO WATER DURING PURGE (FT)								
NUMBER OF CASING VOLUMES REMOVED								
DEWATERED?								

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: Douglas Aircraft Co.

WELL NUMBER: WCC 85

PROJECT NUMBER: 924010.00

PERSONNEL: Shane Scrimshire

STATIC WATER LEVEL (FT): 68.45

MEASURING POINT DESCRIPTION: Top of casing (North)

WATER LEVEL MEASUREMENT METHOD:

PURGE METHOD: Radi Flow thru stainless pipe

TIME START PURGE: 227

PURGE DEPTH (FT) 78'

TIME END PURGE: 1246

TIME SAMPLED: 1300

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
				X	0.16	0.64	1.44
	89.15	68.45	20.70				13

TIME	1242	1243	1244	1245			
VOLUME PURGED (GAL)	S	S	S	S			
PURGE RATE (GPM)	65	70	75	80			
TEMPERATURE (°C)	75.3 75.0	75.2	75.3	75.6			
pH	7.21	7.18	7.13	7.14			
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) CM	4.40	4.32	4.32	4.32			
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	Clear	Clear	Clear	Clear			
ODOR	NO	NO	NO	NO			
DEPTH OF PURGE INTAKE (FT)	78	78'	78	78			
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/15/93

Kennedy/Jenks Consultants

PROJECT NAME: <u>Douglas Aircraft Company</u>	WELL NUMBER: <u>WCC 95</u>
PROJECT NUMBER: <u>924010.00</u>	PERSONNEL: <u>Shawn Scrimshire</u>
STATIC WATER LEVEL (FT): <u>65.43</u>	MEASURING POINT DESCRIPTION: <u>Top of Casing</u>
WATER LEVEL MEASUREMENT METHOD: <u>Electronic probe</u>	PURGE METHOD: <u>2" gravel</u>
TIME START PURGE: <u>1328</u>	PURGE DEPTH (FT) <u>78'</u>
TIME END PURGE: <u>1340</u>	
TIME SAMPLED:	
COMMENTS:	

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
					2	4	8	
	<u>89.20</u>	<u>65.43</u>	<u>23.77</u>		0.16	0.64	1.44	<u>4115</u>
TIME	<u>1330</u>	<u>1331</u>	<u>1333</u>	<u>1334</u>	<u>1336</u>	<u>1337</u>		
VOLUME PURGED (GAL)	<u>10</u>	<u>15</u>	<u>25</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>55</u>	
PURGE RATE (GPM)	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	
TEMPERATURE (°C)	<u>67.0</u>	<u>67.0</u>	<u>67.0</u>	<u>67.0</u>	<u>66.6</u>	<u>66.6</u>	<u>66.7</u>	
pH	<u>6.9</u>	<u>7.2</u>	<u>7.2</u>	<u>7.18</u>	<u>7.18</u>	<u>7.2</u>		
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	<u>2.12</u>	<u>2.12</u>	<u>2.12</u>	<u>2.12</u>	<u>2.12</u>	<u>2.12</u>	<u>2.11</u>	
DISSOLVED OXYGEN (mg/L)								
eH(MV)Pt-AgCl ref.								
TURBIDITY/COLOR	<u>Clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	
ODOR	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	
DEPTH OF PURGE INTAKE (FT)	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	<u>78'</u>	
DEPTH TO WATER DURING PURGE (FT)								
NUMBER OF CASING VOLUMES REMOVED								
DEWATERED?								

Groundwater Purge and Sample Form

Date: 11/19/92

Kennedy/Jenks Consultants

PROJECT NAME: Douglas Aircraft

WELL NUMBER: WCC 105

PROJECT NUMBER: 924010.00

PERSONNEL: Steve Scrimshire

STATIC WATER LEVEL (FT): 68.66

MEASURING POINT DESCRIPTION: Top of casing

WATER LEVEL MEASUREMENT METHOD:

PURGE METHOD: Radi-Flow thru Stainless Ap

TIME START PURGE: 829

PURGE DEPTH (FT) 78'

TIME END PURGE: 840

TIME SAMPLED: 850

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	X	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
					2	4	6	
	89.60	68.66	21		0.16	0.64	1.44	13.44
TIME	830	832	834	835	836	838	839	
VOLUME PURGED (GAL)	10	20	30	35	40	50	55	
PURGE RATE (GPM)	5	5	5	5	5	5	5	
TEMPERATURE ^{°F}	67.5	61.5	68.5	70.7	71.5	71.8	71.7	
pH	7.33	7.85	7.29	7.30	7.25	7.18	7.18	
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	x100	x100	x100	x1000	x1000	x1000	x1000	
DISSOLVED OXYGEN (mg/L)	19.94	4.35	19.55	2.0	2.02	2.02	2.01	
eH(MV)Pt-AgCl ref.								
TURBIDITY/COLOR	clear	clear	clear	clear	clear	clear	clear	
ODOR	NO	NO	NO	NO	NO	NO	NO	
DEPTH OF PURGE INTAKE (FT)	78'	75'	75'	78	78	78	78'	
DEPTH TO WATER DURING PURGE (FT)								
NUMBER OF CASING VOLUMES REMOVED								
DEWATERED?								

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME:	Douglas Aircraft Co.	WELL NUMBER:	VCC 115
PROJECT NUMBER:	924010.00	PERSONNEL:	Shane Scrimshire
STATIC WATER LEVEL (FT):	67.33	MEASURING POINT DESCRIPTION:	Top of casing (North)
WATER LEVEL MEASUREMENT METHOD:	Electronic probe	PURGE METHOD:	Redi Flow thru stainless steel
TIME START PURGE:	725	PURGE DEPTH (FT)	78'
TIME END PURGE:	736		
TIME SAMPLED:	753		
COMMENTS:			

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			Casing Volume (Gal)
				2	4	6	
				0.16	0.64	1.44	
69.30	-	67.33	21.97	X			14
TIME	727	729	732	734	735		
VOLUME PURGED (GAL)	10	20	35	45	50		
PURGE RATE (GPM)	5	5	5	5	5		
TEMPERATURE (°F)	65.8	67.2	66.1	67.2	67.4		
pH	6.59	7.04	7.09	7.19	7.19		
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)	x1000	x1000	x1000				
DISSOLVED OXYGEN (mg/L)	2.94	3.14	3.03	3.03	3.04		
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear	clear	clear	clear	clear		
ODOR	no	no	no	no	no		
DEPTH OF PURGE INTAKE (FT)	78'	78'	75'	78'	75'		
DEPTH TO WATER DURING PURGE (FT)	78'						
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/19/93

Kennedy/Jenks Consultants

PROJECT NAME: <u>Douglas Aircraft</u>	WELL NUMBER: <u>WCC125</u>
PROJECT NUMBER: <u>924010.00</u>	PERSONNEL: <u>Steve Scrivens</u>
STATIC WATER LEVEL (FT): <u>65.50</u>	MEASURING POINT DESCRIPTION: <u>Top of casing</u>
WATER LEVEL MEASUREMENT METHOD: <u>Electronic Probe</u>	PURGE METHOD: <u>Ball Flow thru stainless Pipe</u>
TIME START PURGE: <u>953</u>	PURGE DEPTH (FT) <u>28'</u>
TIME END PURGE: <u>1005</u>	
TIME SAMPLED: <u>1019</u>	
COMMENTS:	

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
				0.16	0.64	1.44	
	<u>90.25</u>	<u>65.50</u>	<u>24.75</u>				<u>16</u>

TIME	955	957	959	1002	1003	1004	1005
VOLUME PURGED (GAL)	10	20	30	40	45	50	55
PURGE RATE (GPM)	5	6	5	5	5	5	5
TEMPERATURE (°C)	72.4	73.8	73.0	72.8	73.3	73.3	73.5
pH	7.54	7.57	7.56	7.54	7.54	7.51	7.51
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected)	2.55	2.48	2.46	2.43	3.05	3.01	3.01
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	clear						
ODOR	no						
DEPTH OF PURGE INTAKE (FT)	78'	78'	78'	78'	78'	78'	78'
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

Groundwater Purge and Sample Form

Date: 11/18/93

Kennedy/Jenks Consultants

PROJECT NAME:	<u>Douglas Aircraft Company</u>			WELL NUMBER:	<u>WCC10</u>		
PROJECT NUMBER:	<u>924010.00</u>			PERSONNEL:	<u>Steve Scrimshire</u>		
STATIC WATER LEVEL (FT):	<u>68.79</u>			MEASURING POINT DESCRIPTION:	<u>Top of casing</u>		
WATER LEVEL MEASUREMENT METHOD:				PURGE METHOD:	<u>1 3/4" Ral. Flow thru S.S.</u>		
TIME START PURGE:	<u>1622</u>			PURGE DEPTH (FT)	<u>104'</u>		
TIME END PURGE:	<u>1647</u>						
TIME SAMPLED:							
COMMENTS:							
WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER COLUMN (FT)	MULTIPLIER FOR CASING DIAMETER (IN)			CASING VOLUME (GAL)
				2	4	6	
<u>135.50</u>	<u>-</u>	<u>68.79</u>	<u>66.71</u>	<u>0.18</u>	<u>0.64</u>	<u>1.44</u>	<u>43</u>
TIME	<u>1626</u>	<u>1630</u>	<u>1633</u>	<u>1635</u>	<u>1638</u>	<u>1641</u>	<u>1646</u>
VOLUME PURGED (GAL)	<u>20</u>	<u>40</u>	<u>65</u>	<u>75</u>	<u>95</u>	<u>110</u>	<u>140</u>
PURGE RATE (GPM)	<u>8 gpm</u>	<u>8 gpm</u>	<u>8 gpm</u>	<u>5</u>	<u>6</u>	<u>5</u>	<u>6</u>
TEMPERATURE ($^{\circ}$ F)	<u>68.2</u>	<u>68.1</u>	<u>68.0</u>	<u>69.2</u>	<u>69.1</u>	<u>68.9</u>	<u>69.0</u>
pH	<u>7.45</u>	<u>7.45</u>	<u>7.46</u>	<u>7.50</u>	<u>7.51</u>	<u>7.46</u>	<u>7.49</u>
SPECIFIC CONDUCTIVITY (micromhos) (uncorrected) cm	<u>15.73×100</u>	<u>15.67×100</u>	<u>$15.16 \times 100 / 15.08 \times 100$</u>	<u>15.15×100</u>	<u>$15.04 \times 100 / 14.72 \times 100$</u>		
DISSOLVED OXYGEN (mg/L)							
eH(MV)Pt-AgCl ref.							
TURBIDITY/COLOR	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>
ODOR	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>	<u>no</u>
DEPTH OF PURGE INTAKE (FT)	<u>104'</u>	<u>104'</u>	<u>104'</u>	<u>104'</u>	<u>104'</u>	<u>104'</u>	<u>104'</u>
DEPTH TO WATER DURING PURGE (FT)							
NUMBER OF CASING VOLUMES REMOVED							
DEWATERED?							

PROJECT NAME: Diamond Aircraft CompanyWELL NUMBER: VCC-3DPROJECT NUMBER: 1010.00PERSONNEL: Stone ScrimshireSTATIC WATER LEVEL (FT): 69.36MEASURING POINT DESCRIPTION: Top of casingWATER LEVEL MEASUREMENT METHOD: Electronic, sound PURGE METHOD: Radiflow thru stainless pipeTIME START PURGE: 1320PURGE DEPTH (FT) 78.68TIME END PURGE: 1330TIME SAMPLED: 1413

COMMENTS:

WELL VOLUME CALCULATION (FILL IN BEFORE PURGING)	TOTAL DEPTH (FT)	DEPTH TO WATER (FT)	WATER LINE FOR GROSS VOLUME (LDS)			COURING VOLUME (GAL)
			1320	1324	1328	
	<u>88.00</u>	<u>69.36</u>	<u>18.64</u>	<u>0.10</u>	<u>0.04</u>	<u>2.44</u>
TIME	1320	1324	1328	1327	1326	1320
VOLUME PURGED (GAL)	<u>20</u>	<u>20</u>	<u>39</u>	<u>40</u>	<u>50</u>	<u>55</u>
PURGE RATE (GPM)	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>
TEMPERATURE (°F)	<u>60</u>	<u>60</u>	<u>60</u>	<u>60</u>	<u>60</u>	<u>60</u>
pH	<u>7.0</u>	<u>6.9</u>	<u>7.1</u>	<u>7.0</u>	<u>7.0</u>	<u>7.0</u>
SPECIFIC CONDUCTIVITY (micro (uncorrected))	<u>700</u>	<u>700</u>	<u>210</u>	<u>210</u>	<u>210</u>	<u>210</u>
DISSOLVED OXYGEN						
OH(MV)P2-Ag2						
TURBIDITY/COEG	<u>clear</u>	<u>slightly</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>
ODOR	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>
DEPTH OF PURGE INTAKE (FT)	<u>78</u>	<u>78</u>	<u>78</u>	<u>78.68</u>	<u>78</u>	<u>78</u>
DEPTH TO WATER DURING PURGE (FT)						
NUMBER OF CASING VOLUMES REMOVED						
DEMATERIALIZED?						<u>No</u>

APPENDIX D
CHAIN-OF-CUSTODY RECORDS

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

POSSIBLE HAZARDS: VOCs

Date 11/18/93

Source of Samples Douglas Aircraft Company Company Kennedy / Jenks

Sampler Name Shane Scrimshire Address 17310 Red Hill #220

Company Kennedy / Jenks Irvine CA 92714

Phone 714

Project No. 924010.00

Report To Sarah Burtling

Address 17310 Red Hill #220

Irvine CA 92714

Phone (714) 261-1577

LAB ID No.	Client ID No.	COLLECTION							Note 6 Lab Disposal	ANALYSES REQUESTED	Send unused sample to:	Comments/Conditions: (Container type, container number, etc.)
		Date	Time	Type	Depth	Compo- site	Note 4	Turn- around time				
IC42176	WCC30-7	11/18	1413	W	78'	SCS	Cool HCL	Normal	X			4- 40ml vials
IC42177	WCC52-7	11/18	1504	W	78'		Cool HCL		X			" "
IC42178	WCC95-7	11/18	1555	W	78'		Cool HCL		X			" "
IC42179	WCC1D-7	11/18	1707	W	104'		Cool HCL		X			" "
IC42180	DW-111893	11/18	—	W	—		Cool HCL	Normal	X			4- 40ml vials
IC42191	FB-111893	11/18	1614	W	—		Cool HCL		X			1-40 ml vial F15 111893 taken after WCC95 +

1) Write only one sample number in each space.

2) Specify type of sample(s): Water(W), Solid (S), or indicate type.

3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.

575 103
PACIFIC ENVIRONMENTAL LABORATORY
674 HARRISON STREET
SAN FRANCISCO, CA 94107
415-243-2580 FAX 415-243-9390

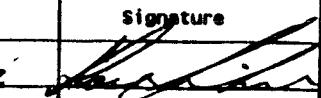
Please Call
Sarah
Burtling

Send unused
sample to:

Lab Destination: TerraTech Lab

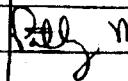
Carrier/Way Bill: delivered

SAMPLE RELINQUISHED BY:

Print Name	Signature
Shane Scrimshire	

Company K/S Date 11/18/93 Time 18:30

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Randy Mata		TerraTech Lab	11/19/93	18:30

Logged in at PEL by:

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

POSSIBLE HAZARDS: VOC's

Date 11/19/93 11/19/93
 Source of Samples Douglas Aircraft
 Sampler Name Shane Scrimshire
 Company Kennedy Tenics
 Phone (714) 261-1577
 Project No. 924010.00

Report To Sarah Bartling
 Company Kennedy Tenics
 Address 17310 Real H:11 #220
Irvine CA 92714
 Phone (714) 261 1577

PACIFIC ENVIRONMENTAL LABORATORY

674 HARRISON STREET
 SAN FRANCISCO, CA 94107
 415-243-2580 FAX 415-243-9390

9c 10 2 of 3

ANALYSES REQUESTED									
EPA 9240/9260									
EPA 624									

Send unused sample to:

Lab Destination:

Carrier/Way Bill:

LAB ID No.	Client ID No.	COLLECTION		Depth	Compo- site	Note 4	Turn-around time	Note 6 Lab Disposal	Comments/Conditions: (Container type, container number, etc.)
		Date	Time						
IC42182	WCC115-7	11/19	753W	78'	HCL			X	4-40mL vials
IC42183	WCC105-7	11/19	850W	78'	HCL			X	" "
IC42184	WCC25-7	11/19	935W	78'	HCL			X	" "
IC42185	WCC125-7	11/19	1019	w 78	HCL			X	" "
IC42186	DW-111993	11/19	—	w —	HCL			X	" "
IC42187	FB-111993	11/19	1410	w —	HCL			X	1-40 mL UOA

1) Write only one sample number in each space.

2) Specify type of sample(s): Mater(W), Solid (S), or indicate type.

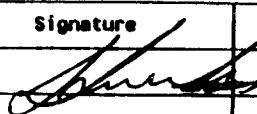
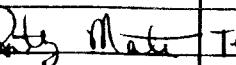
3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.

4) Preservation of sample.

5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

6) Write address where unused sample should be sent or "X" Lab Disposal box if Lab should bill client for sample disposal.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time	Print Name	Signature	Company	Date	Time
Shane Scrimshire		Ken-Tech	11/19/93	18:30	Patty Mata		Tech-Tek	11/19/93	18:30

Logged in at PEL by:

KENNEDY/JENKS CONSULTANTS

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

POSSIBLE HAZARDS: VOC's

Date 4/19/93

Report To Sarah Bartling

Source of Samples Douglas Aircraft Company Kennedy / Jenkins

Sampler Name Shane Scrimshire address 17310 Red Hill #220

Phone 714 261 1577

Irvine CA 92714

Project No. 924010.00

Phone (714) 261 1577

- 200 New Stine Rd., #115, Bakersfield, CA 93309
 - 530 South 336th St., Federal Way, WA 98003
 - 17310 Red Hill Ave., #220, Irvine, CA 92714
 - 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
 - 5190 Neil Road, #300, Reno, NV 89502
 - 3336 Bradshaw Rd., #140, Sacramento, CA 95827
 - 303 Second St., San Francisco, CA 94107
 - 1000 Hill Rd., #200, Ventura, CA 93003

EPA	8240-5260				
EPA	6244				

Lab Destination

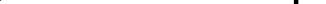
Address _____

Phone

Carrier Way Bill No.

- (1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time	Print Name	Signature	Company	Date	Time
Shane Srimshire		K/S	11/22/900	Patrick Mait			Tera Tech. Labs	11/22	1:30